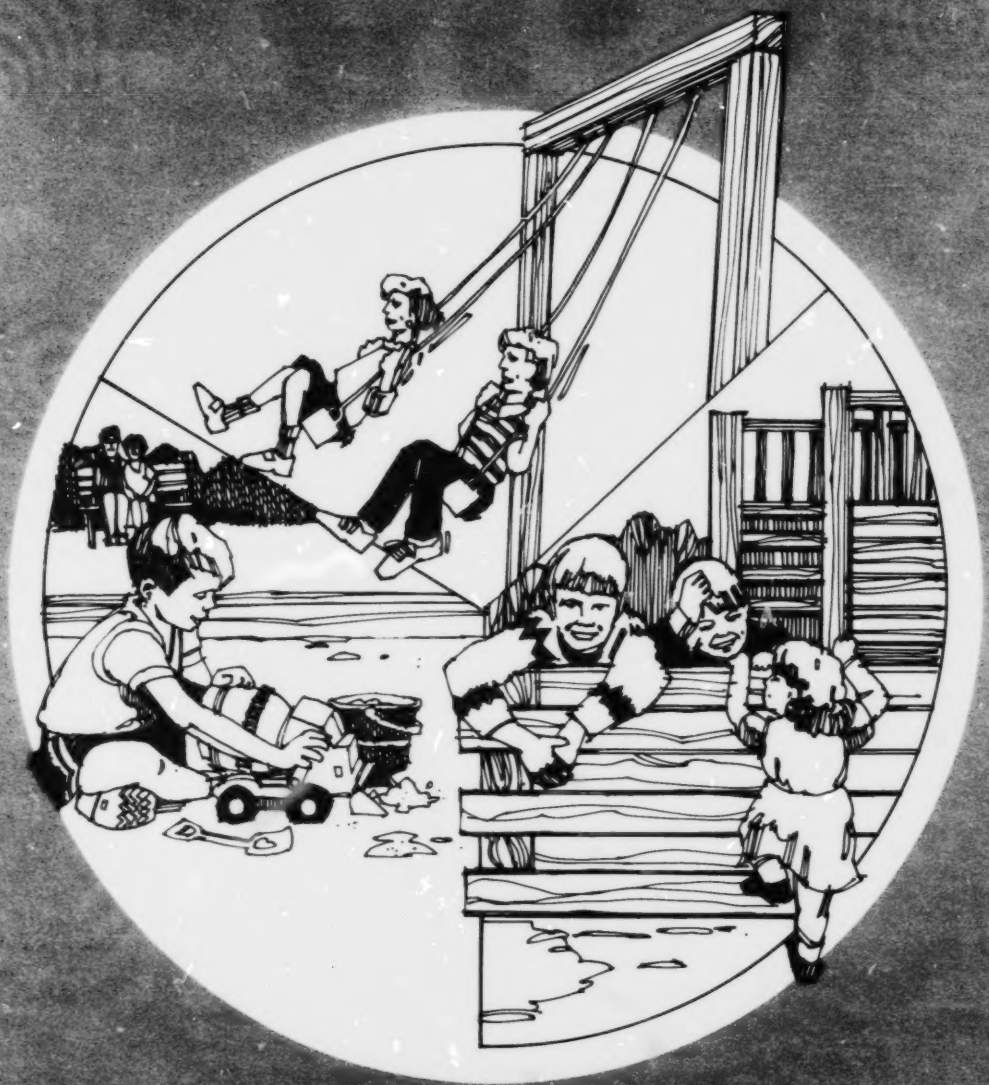
PARTS OF THE ORIGINAL DOCUMENT

ARE OF POOR REPRODUCTIVE QUALITY

CERTAINES PARTIES DU DOCUMENT ORIGINAL

SONT DE PIÈTRE QUALITÉ DE REPRODUCTION

Play Space Ideas



Alberta

RECREATION AND PARKS

Recreation Development Division

ACKNOWLEDGEMENTS

Alberta Recreation and Parks gratefully acknowledges the foliowing agencies for permission to reprint and distribute the plans and drawings in this manual:

- Canada Mortgage and Housing Corporation
- The City of Edmonton Parks and Recreation
- Manitoba Culture, Heritage and Recreation

FOREWORD

This manual is a collection of selected playground and play equipment drawings prepared by a number of government agencies. Fifth in our series on play space, it is intended as a reference catalogue of playground and equipment suggestions to help you generate other creative ideas for the design of your play space.

The drawings in this manual illustrate some of the design possibilities available. It is not intended that any drawings or ideas in this manual be copied without considering your specific play space requirements. The materials, equipment and techniques illustrated may be applicable or limited to certain site conditions and user groups and, therefore, are not necessarily practical, suitable or safe elsewhere. To be functional, design concept must be custom-fitted to your needs, resources and site conditions.

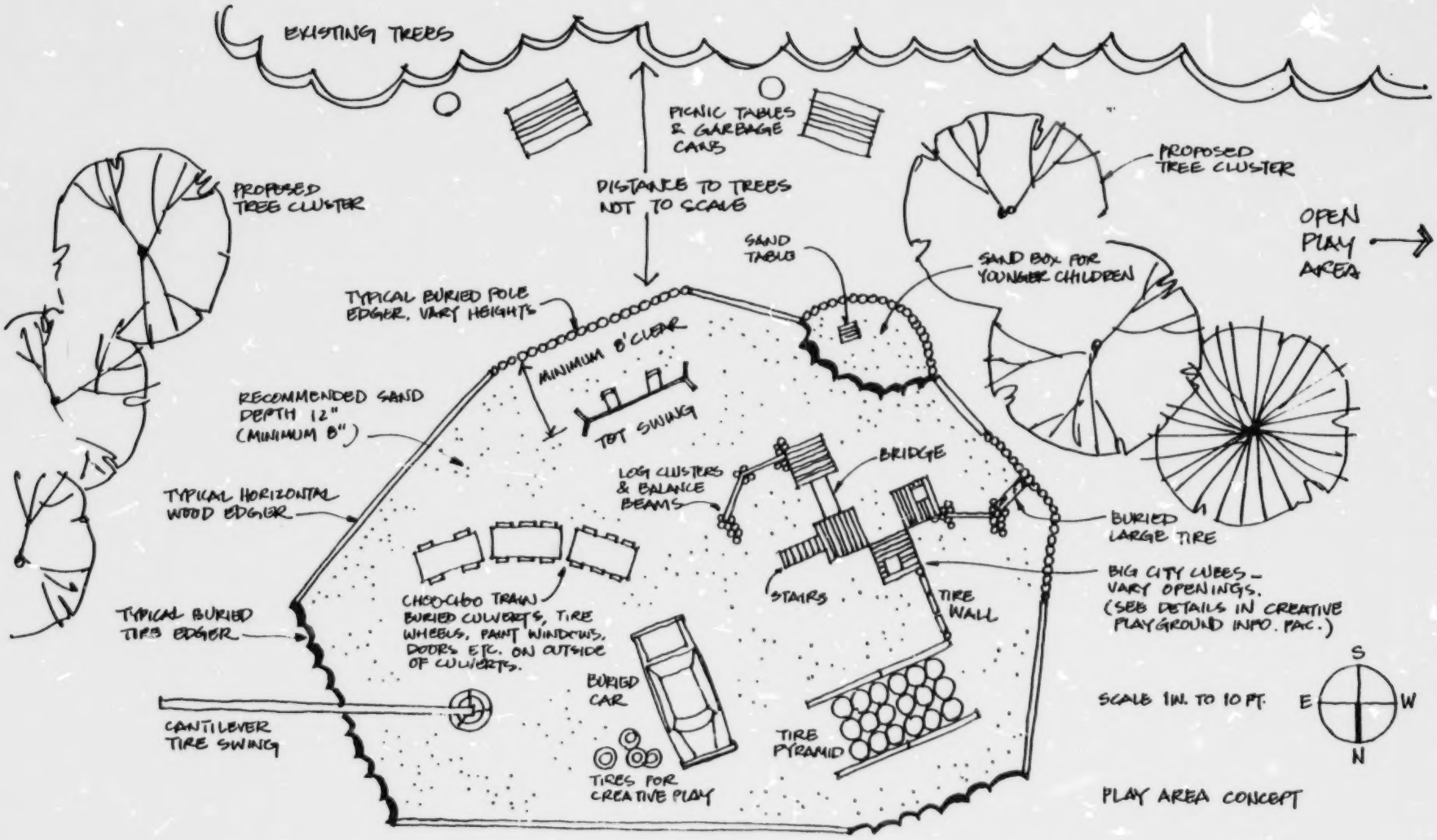
We assume that you are familiar with the principles of play space planning, construction and maintenance, as well as safety issues. These topics will not be covered here. If you have not read the other play space manuals in the series, please refer to the back cover for titles and sources. A list of play equipment manufacturers and distributors is included at the end of the manual.

Since this manual is not all-inclusive, you are encouraged to look beyond these pages for other design ideas. New materials, equipment, standards and ideas continue to appear on the market. Much can be learned from observation, manufacturers' literature, suppliers, experienced playground designers and contractors, recognized authorities on children's environments and publications in this area.

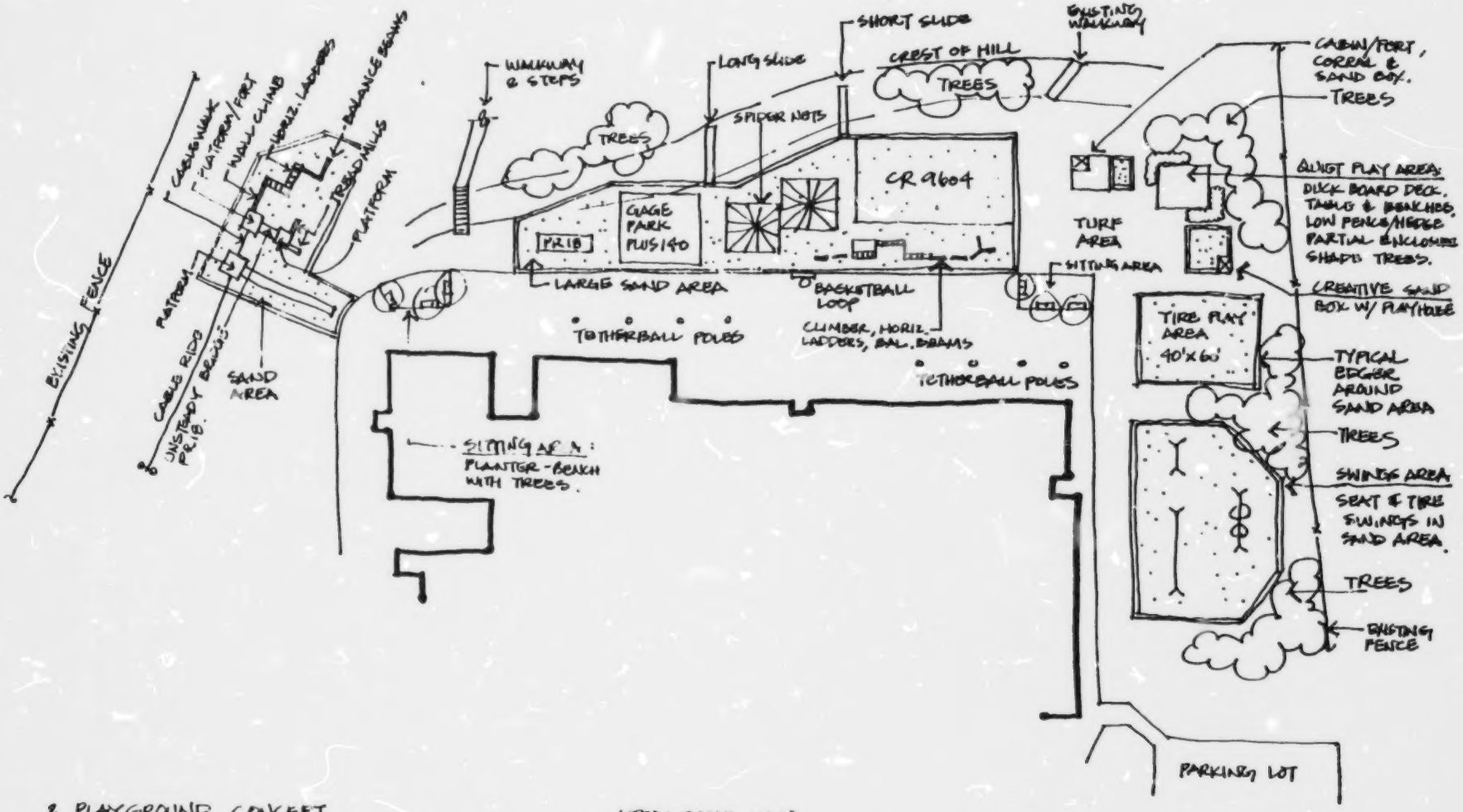
DISCLAIMER OF LIABILITY FOR USE OF DOCUMENTS

Anyone making use of this document is further advised that the Government of Alberta disclaims liability for any claims, actions, demands or suits which may arise by reason of any person relying on the information contained in these documents, and more particularly, without limiting the generality of the foregoing, the government disclaims liability for the appropriateness or accuracy of the within guidelines, standard details or specifications for any project. These documents are being made available for the purpose of indicating in a general way the standards of other government agencies, and, accordingly, these documents are to be used with discretion.

EXAMPLES OF PLAY SPACE CONCEPT PLANS

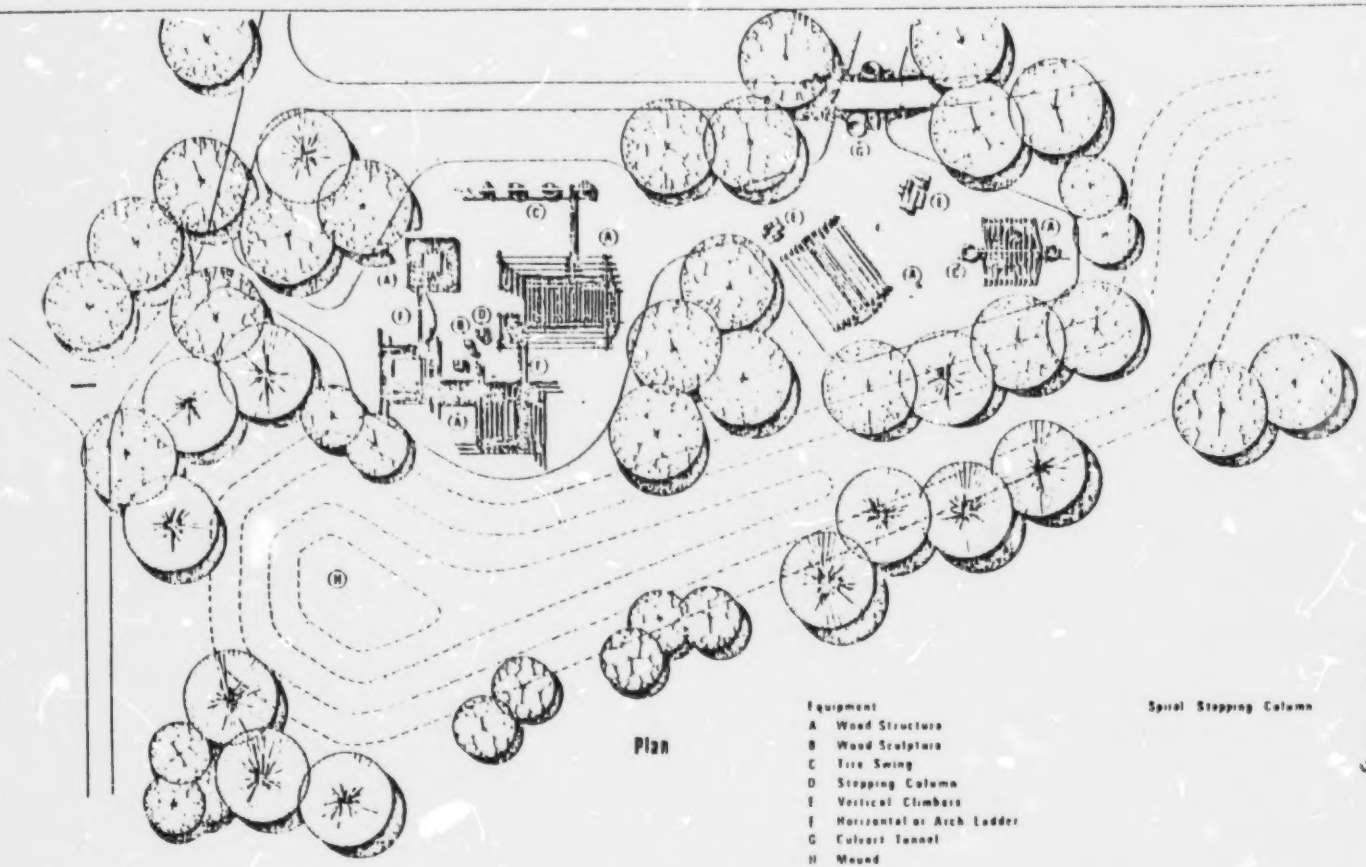


PLAY AREA CONCEPT



2. PLAYGROUND CONCEPT

APPROX. SCALE 1:600

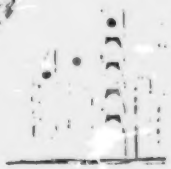


Plan

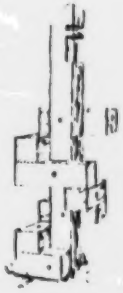
Equipment
- A Wood Structure
- B Wood Sculpture
- C Tire Swing
- D Stepping Column
- E Vertical Climbers
- F Horizontal or Arch Ladder
- G Culvert Tunnel
- H Mound

Typical Equipment (no scale)

Tire Swing



Wood Scul



Spiral Stepping Column

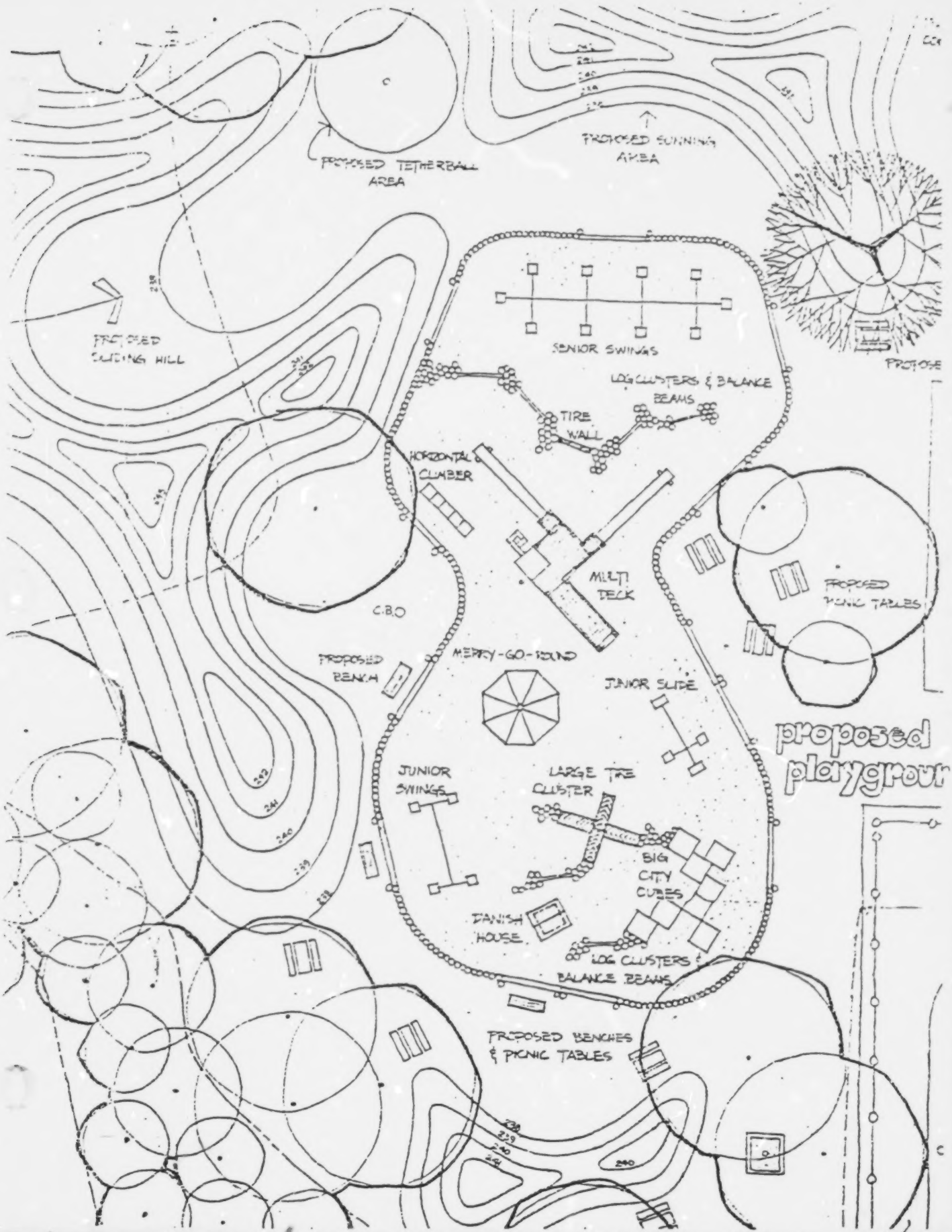
Elevation

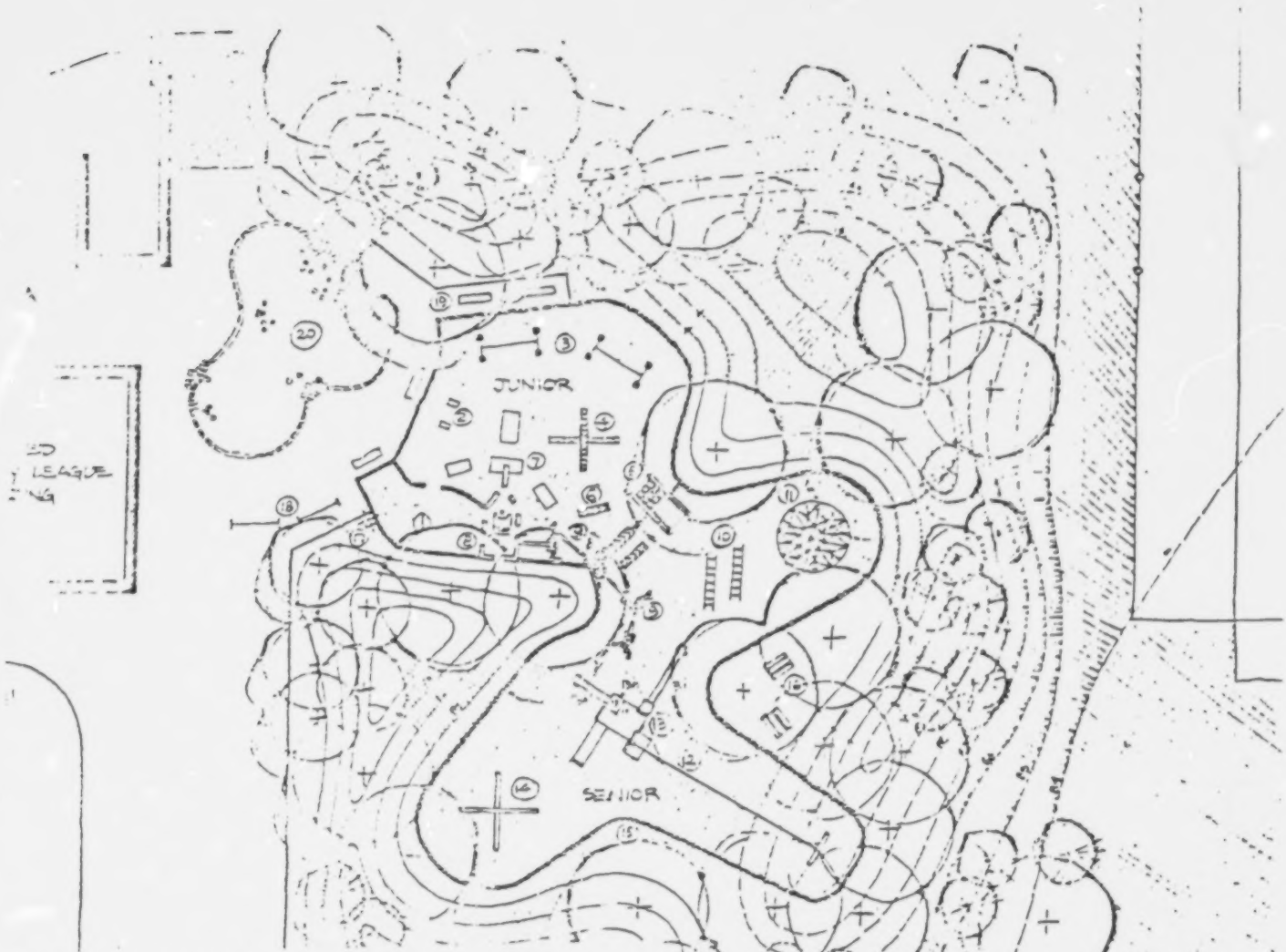
CREATIVE PLAY AREA

PARKDALE ESTATE, I

STETTLER, ALBERTA

scale


PROPOSED TETHERBALL AREA
PROPOSED SUNNING AREA
PROPOSED SLIDING HILL
SENIOR SWINGS
LOG CLUSTERS & BALANCE BEAMS
TIRE WALL
HORIZONTAL CLIMBER
MULTI DECK
C.B.O
PROPOSED PICNIC TABLES
PROPOSED BENCH
MERRY-GO-ROUND
JUNIOR SLIDE
JUNIOR SWINGS
LARGE TIRE CLUSTER
BIG CITY CUBES
DANISH HOUSE
LOG CLUSTERS & BALANCE BEAMS
PROPOSED BENCHES & PICNIC TABLES
proposed playgroun



JUNIOR PLAYGROUND:

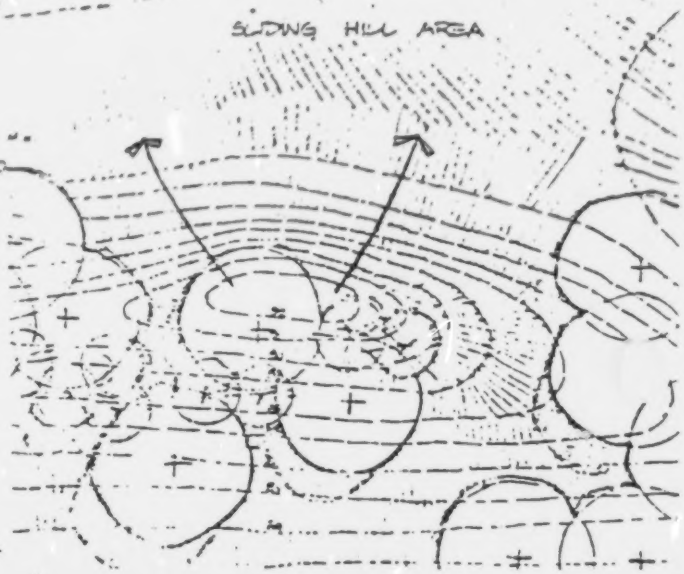
1. SAND PLAY AREA
2. 2 - RODEO ROCKY (MIRACLE & JAMIESON # 134-901)
3. 2 - JUNIOR SWINGS.
4. LARGE TIRE CLUSTER
5. COMBINATION TIRE PYRAMID & LOG CLIMB
6. 3 - LARGE TIRES
7. 4 - CONCRETE SEWER PIPES (2 - 4'0 D., 2 - 3'0 D.)
8. SUNKEN SHIP & CROWSNEST SLIDE
9. LOG CLUSTERS AND BALANCE BEAMS

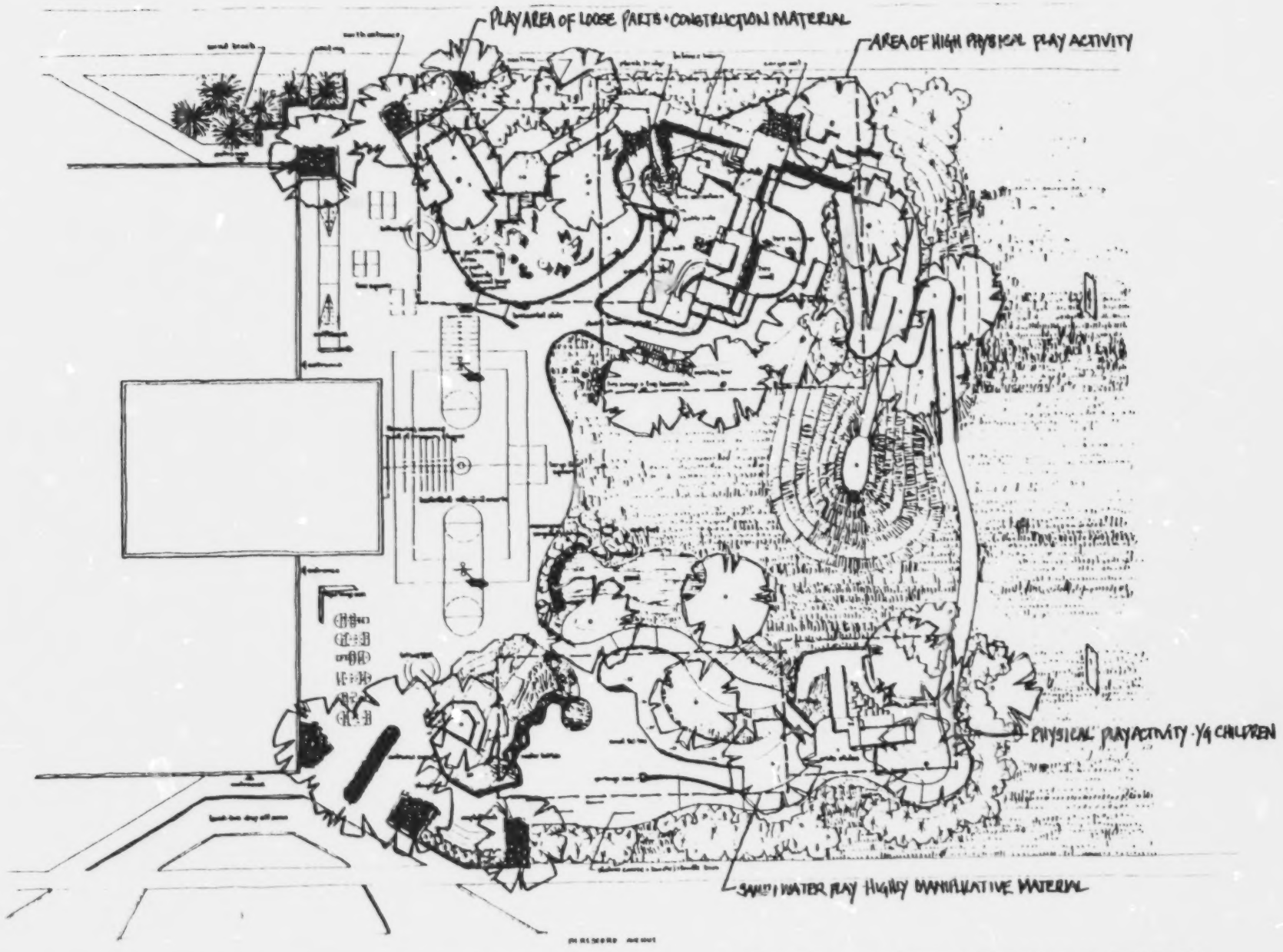
SENIOR PLAYGROUND:

9. LOG CLUSTERS AND BALANCE BEAMS
10. 2 - HORIZONTAL LADDERS
11. 18' DIA GEOTESIC CLIMBER (MIRACLE & JAMESON # 40-
12. CABLE SLIDE
13. MULTI DECK WITH FOLLOWING ALTERATIONS:
    - 13 i) WAVE SLIDE
    - 13 ii) FIREMAN'S POLE (NEW LOCATION)
    - 13 iii) JUNIOR SLIDE
    - 13 iv) OPEN DECK AREA (NO BIG CITY CUBE)
14. TIRE SWING.

OTHER:

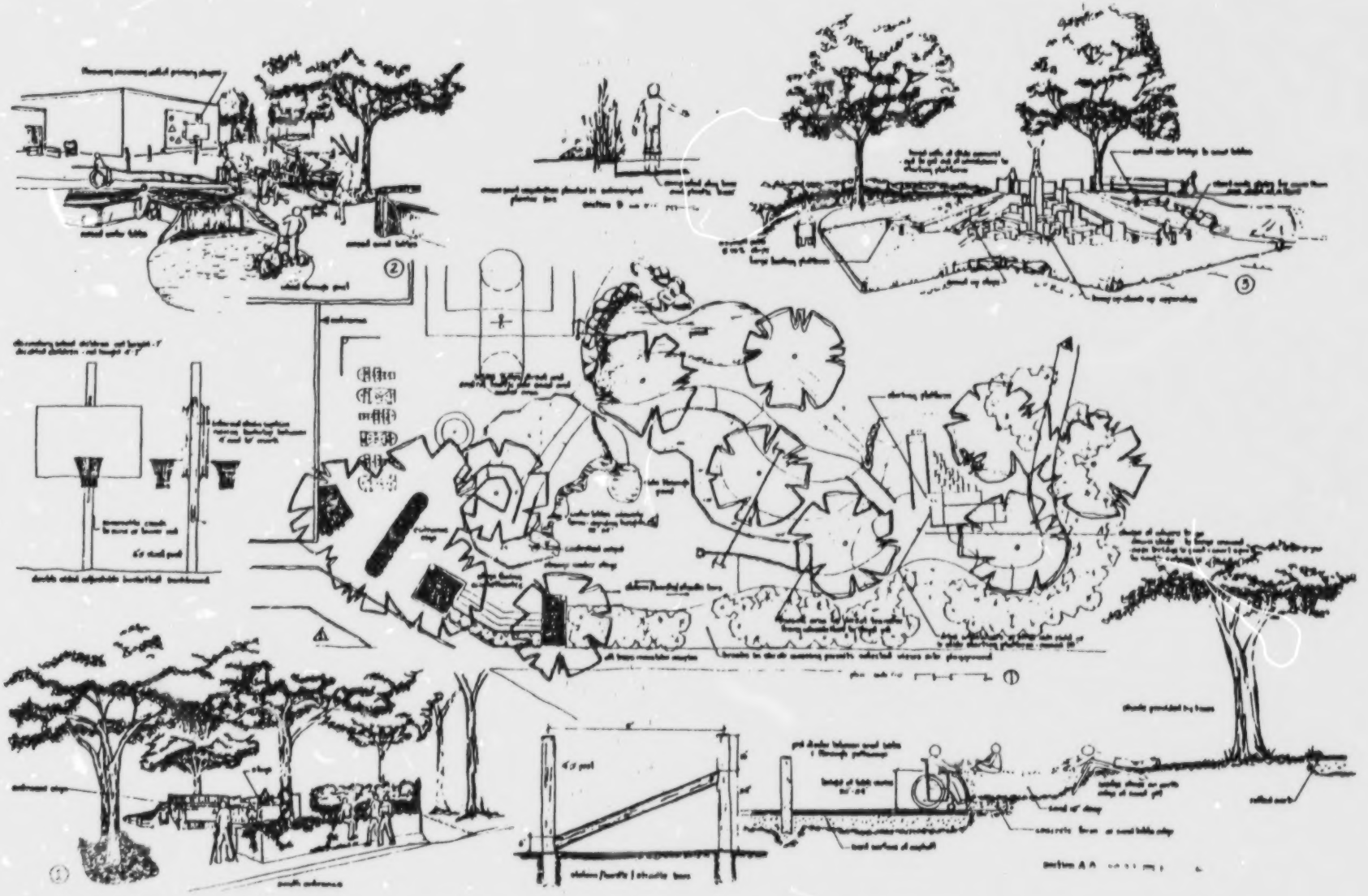
15. VERTICAL LOG BORDER. (± 660 LIN. FT.)
16. PICNIC TABLES (2)
17. SECURITY LIGHT
18. BICYCLE RACKS (2)
19. BACKLESS WOODEN BENCHES (4)
20. FUTURE WATER FEATURE




PLAY AREA OF LOOSE PARTS + CONSTRUCTION MATERIAL
AREA OF HIGH PHYSICAL PLAY ACTIVITY
PHYSICAL PLAY ACTIVITY - Y4 CHILDREN
SAND / WATER PLAY HIGHLY MANIPULATIVE MATERIAL

LORD ROBERTS ELEMENTARY SCHOOL SITE PLAN

PLAYSPACES TO ACCOMMODATE DISABLED CHILDREN



LORD ROBERTS ELEMENTARY SCHOOL ·SOUTH YARD DETAIL·

PLAYSPACES TO ACCOMMODATE DISABLED CHILDREN

CMHC DRAWINGS

The next four drawings:

- sand pit
- hollow blocks
- old-fashioned hand pump
- playhouse with slide

are from the CMHC publication, "Creative Playground Information Kit 1", which contains 40 illustrations on creative playground design.

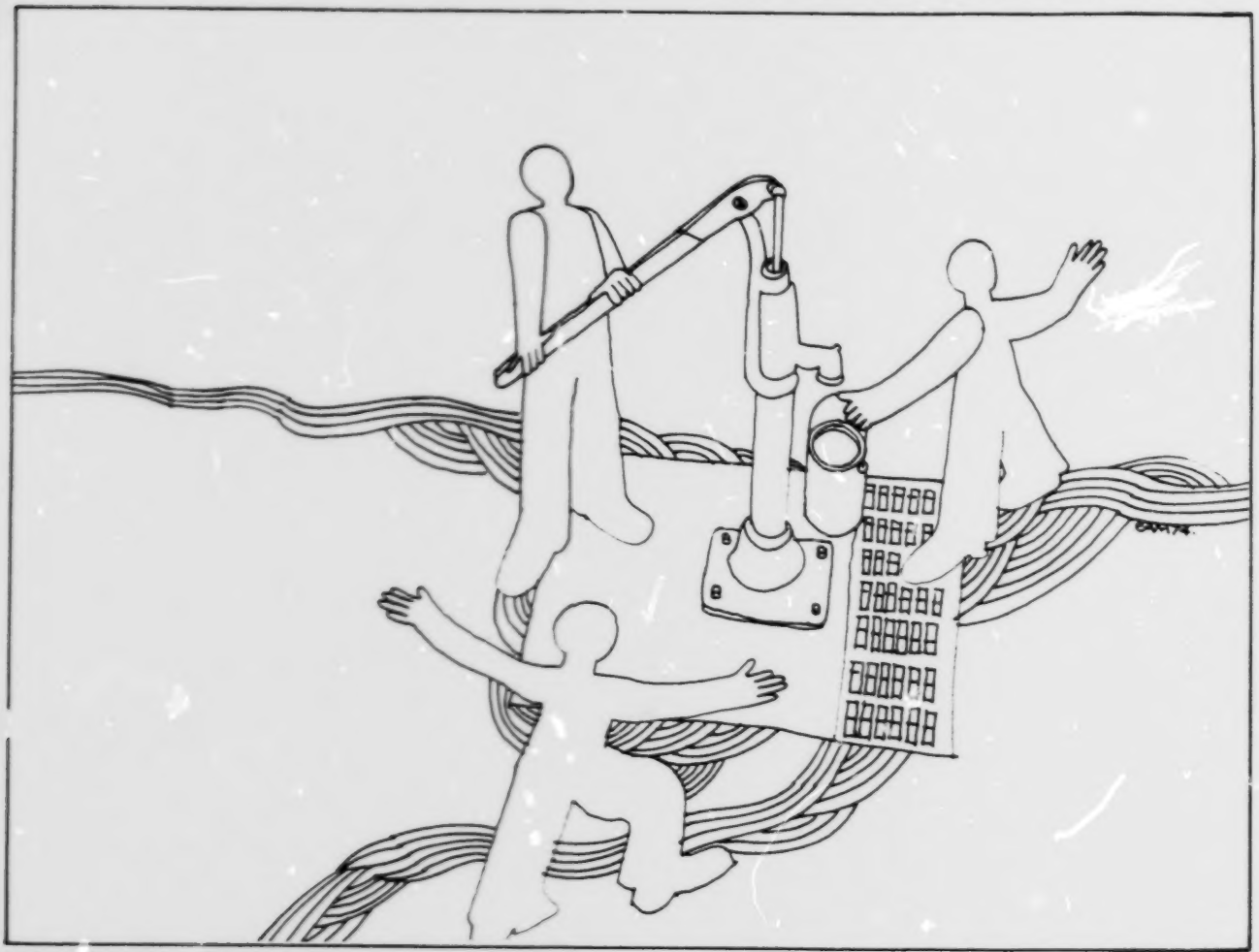
CMHC also publishes a number of publications on children's environments. A copy of "CMHC Publications Catalogue" can be obtained by contacting their offices in Alberta:

Calgary	708-11th Avenue S.W.	(403) 265-6860
Edmonton	12315 Stony Plain Road	(403) 482-3431
Lethbridge	Woodward Tower, 5th St. S.	(403) 328-5581

Inquiries can also be addressed to:

CMHC Publications
Canada Mortgage and Housing Corporation
682 Montreal Road
OTTAWA, Ontario
K1A OP7

old fashioned hand pump 1

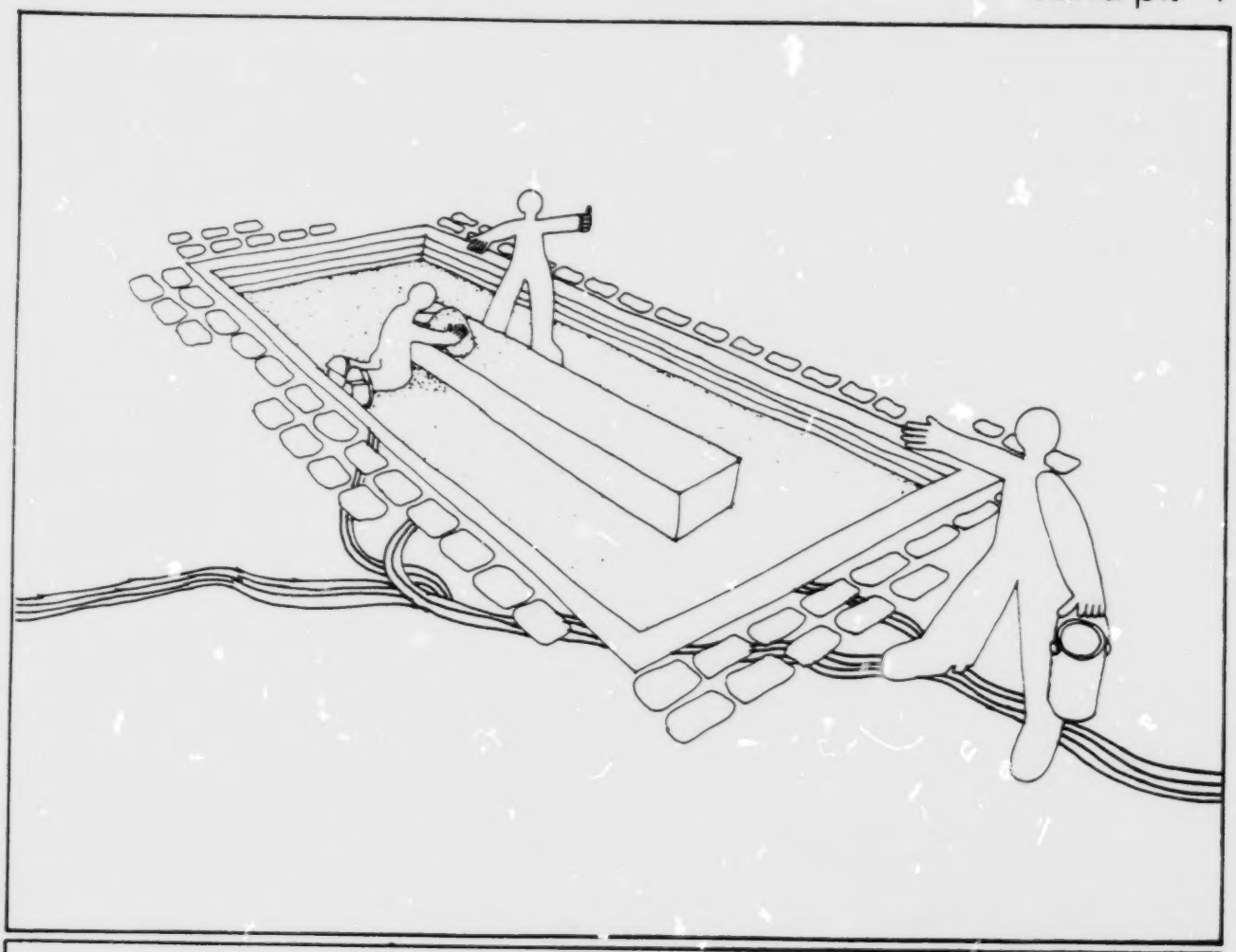


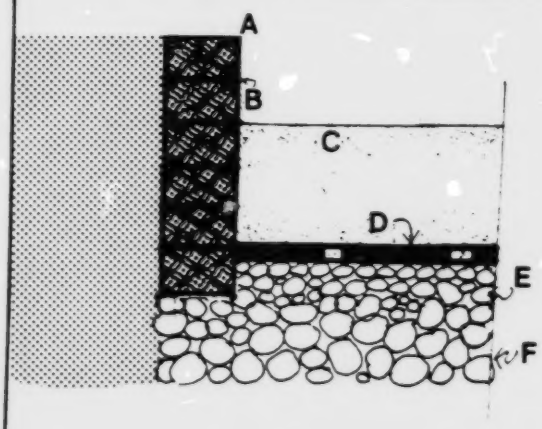
1. Lift pump available from hardware or machine stores.

2. Set lift pump on reinforced concrete platform, textured to provide nonslip surface.

3. If no existing well available, hook up pump to municipal water supply: install a limited flow valve in pump head to act as "tap". Valve (available from hardware or plumbing supply house) should permit flow of water only with full motion of pump handle.

4. Grill to catch basin to be removable.





A. Round all exposed edges.

B. 6"x8" (140x190 mm) or 8"x8" (190x190 mm) wood timber. Treat with preservative and bolt or dowel together. Retaining wall to be 12" (300 mm) minimum above level of sand.

C. Sand 1'0" to 1'6" (300-450 mm) deep.

D. Concrete slabs under sand spaced to permit water drainage.

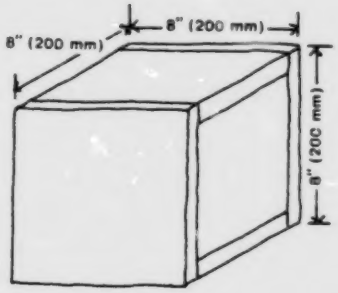
For sandy or gravelly soil:
E. 4" (100 mm) of 3/4" (20 mm) crushed stone.

F. 12" (300 mm) of 1½" (40 mm) granular material.

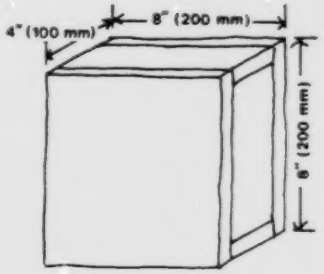
For clay soil:
G. Drain tile to drainage outlet (e.g., storm sewer).

Note: Sand pit can be a free form. Then make retaining wall of wood or concrete with same drainage detail. Use smooth stones along top edge to give natural look.

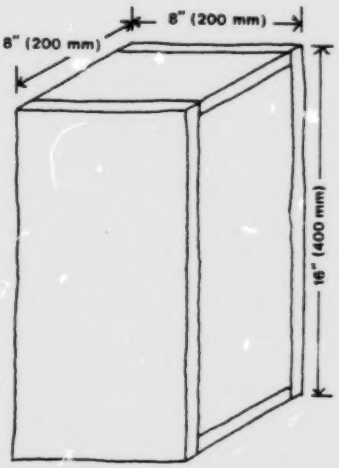
Central Mortgage and Housing Corporation
Société centrale d'hypothèques et de logement



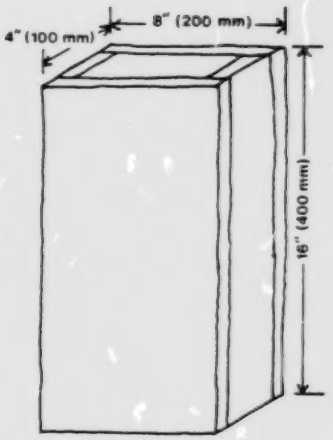
cube



half cube



double cube



double half cube

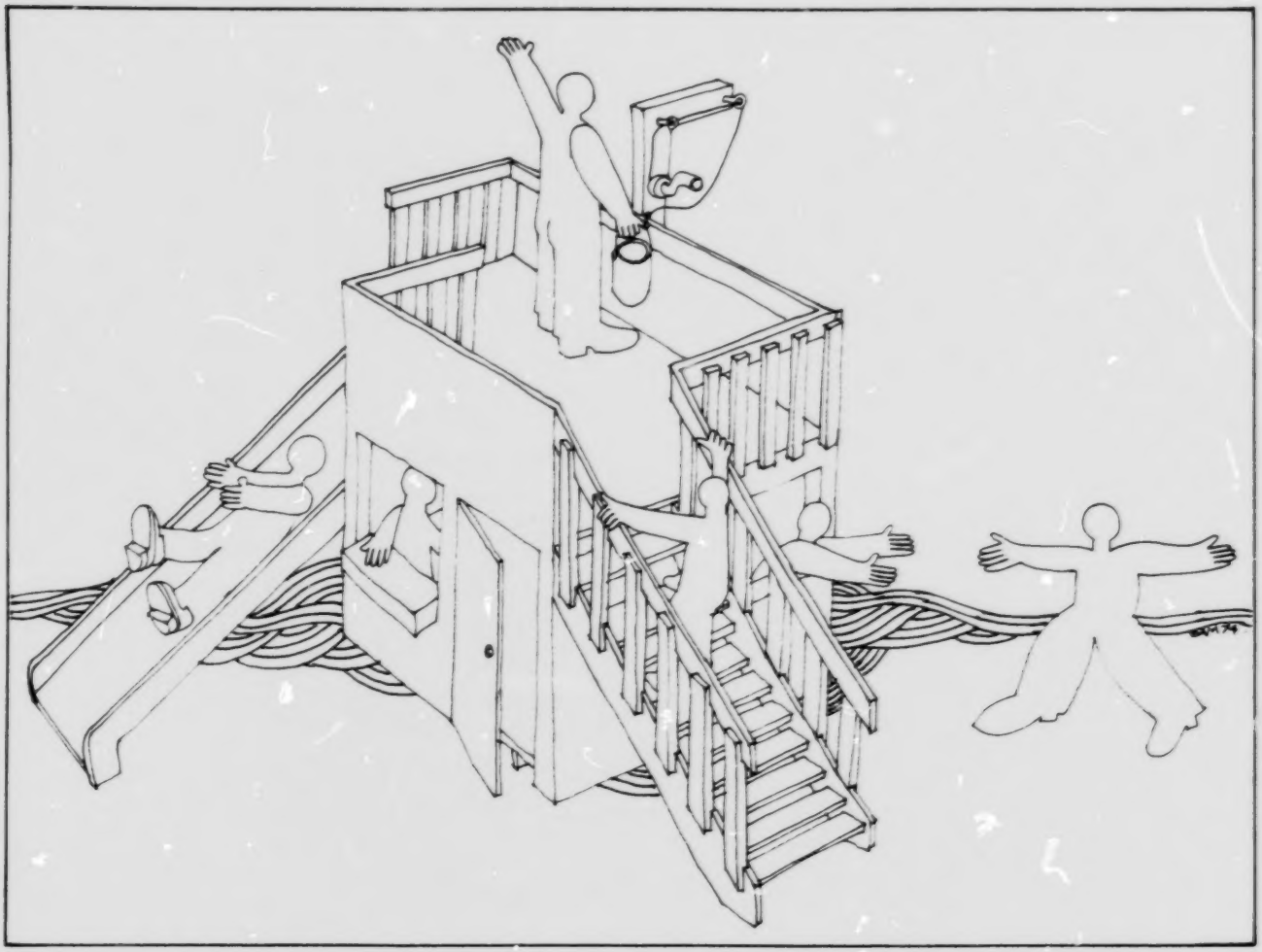
1. The final dimensions of these blocks are crucial to their success. Therefore it is important to pay careful attencion to the dressed dimensions of the wood (wood of a nominal 1"x8" (20x190 mm) and 1"x4" (20x90 mm) should be used).

2. Use 2" (50 mm) finishing nails for construction of the blocks.

3. Paint or finish all blocks in the same color for modular effect.

4. 10 blocks of each size make a good set for a group of 25 children.

Central Mortgage and Housing Corporation
Société centrale d'hypothèques et de logement



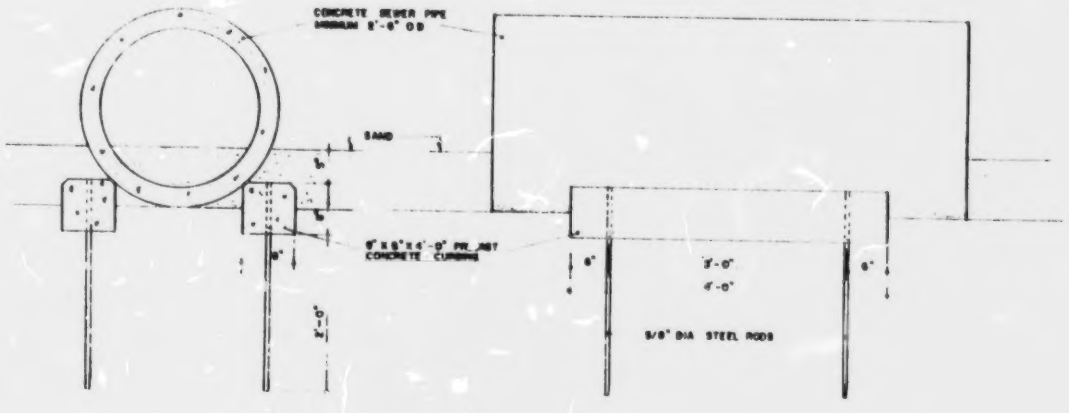
1. Playhouse dimensions: 5'0" (1500 mm) wide x 7'0" (2100 mm) long x 5'0" (1500 mm) high.
2. Railing 2'0" (600 mm) high with supports at 6" (150 mm) centers.
3. Stainless steel slide 2'0" (600 mm) wide x 10'0" (3 m) long. Lip of slide to be 4" (100 mm) off grade.
4. Stairs 2'0" (600 mm) wide; rise to be 5" (125 mm), tread 8" (200 mm).
5. 3/4" (19 mm) fir ply treated sides.
6. 3/4" (19 mm) fir ply floor inside.
7. Playhouse dimensions: 5'0" (1500 mm) wide x 7'0" (2100 mm) long x 5'0" (1500 mm) high.

Central Mortgage and Housing Corporation
Société centrale d'hypothèques et de logement

EDMONTON PARKS AND RECREATION DRAWINGS

These standard construction detail plans have been developed by the City of Edmonton Parks and Recreation Department over the past several years. The dates of the original drawing and revisions are noted. Full-scale drawings of most of these catalogue sheets may be ordered from the Outdoor Recreation Facilities Branch, Alberta Recreation and Parks.

Please give appropriate acknowledgement to the City of Edmonton when making these drawings available to your client.



SECTION

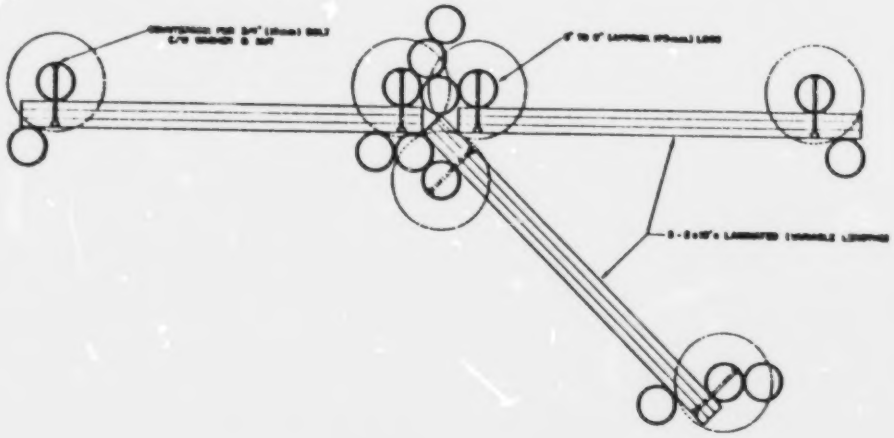
SIDE VIEW

REVISIONS
DATE MARCH 1971 SCALE 1" = 1'-0" CHK

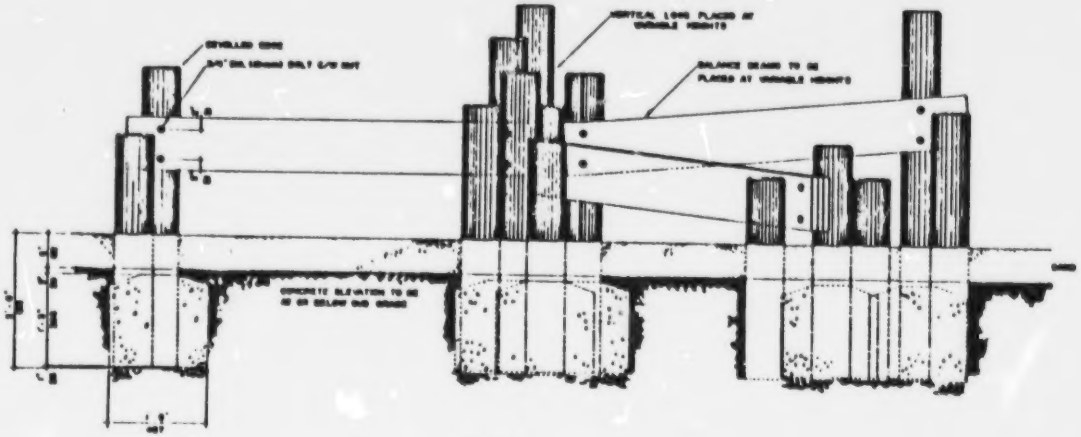
THE CITY OF EDMONTON
PARKS AND RECREATION DEPARTMENT

SEWER PIPE

SD
102



PLAN VIEW

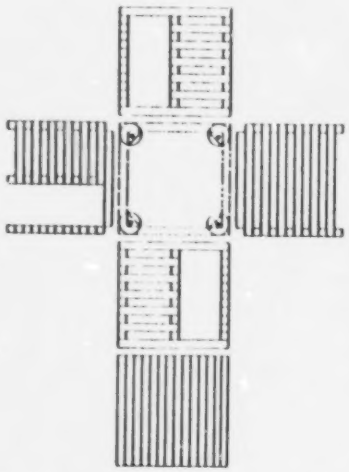


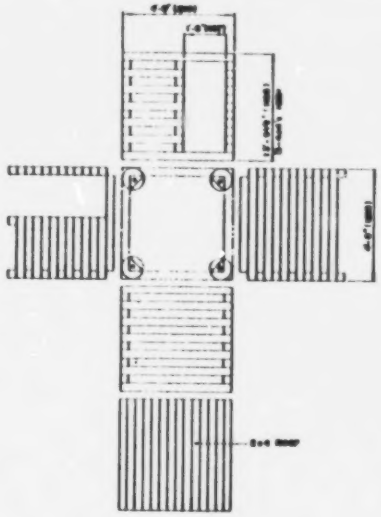
ELEVATION

Edmonton Parks and Recreation

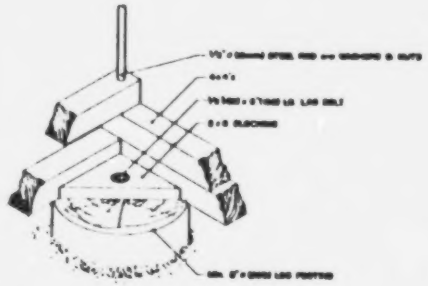
BALANCE BEAM

Drawing No. SD 103



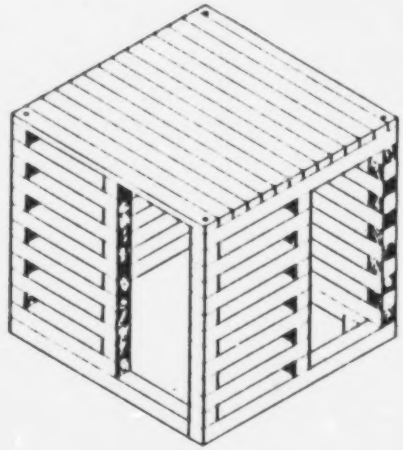


ASSEMBLY



CORNER DETAIL

MATERIAL LIST



ISOMETRIC

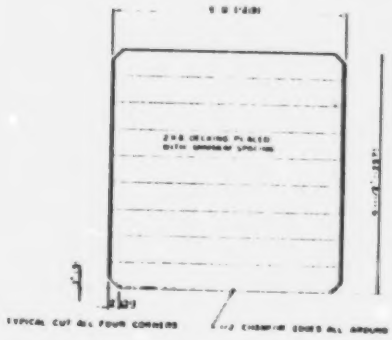
Edmonton Parks and Recreation

BIG CITY CUBES

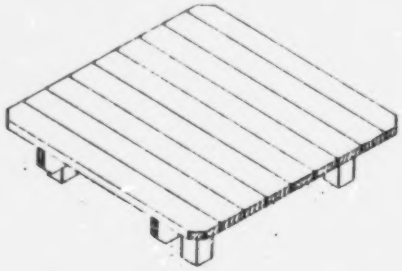
SD 105

LIST of MATERIALS

No	Description	Size
9	2X8 S 1M	4'-0" LONG (1219)
7	2X8 S 1M	4'-11/8" LONG (1257)
4	2X4 S 1M	8'-7/8" LONG (2610)
6	CARRIAGE BOLTS	5" X 1/2" DIA (127 X 13)
	NOTE: FOR TOOK STAINED & PRESERVED	C/W NUTS & WASHERS ALL GALVANIZED



TYPICAL CUT ALL FOUR CORNERS



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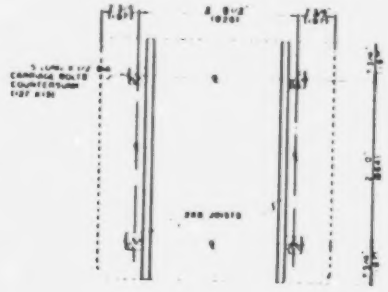
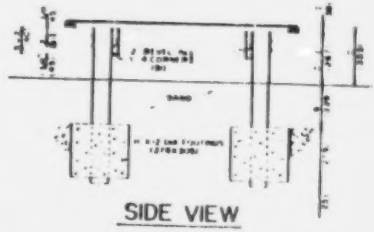


TOP VIEWS

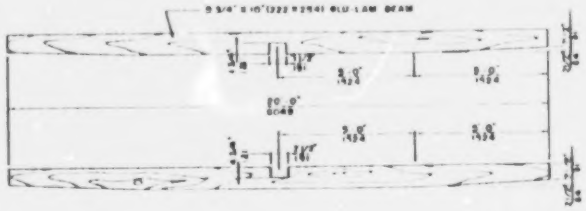


SIDE VIEW

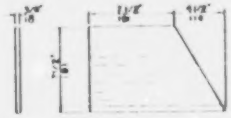
Edmonton PARKS AND RECREATION

SAND PAD

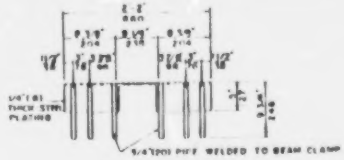
Drawn	Superintendent	Date: MARCH 28/79
Design	Drafting	Scale: 1" = 0"
Checked	Manager	File No.
	General Manager	Drawing No. SD-106



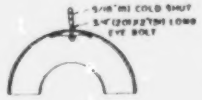
GLU-LAM BEAMS – SIDE VIEWS



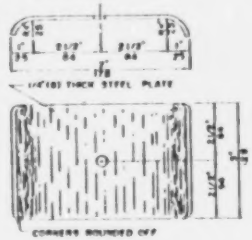
GUSSET PLATE



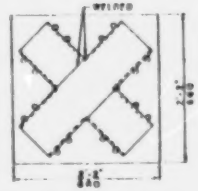
BEAM CLAMP



TIRE - PLATE CONNECTION



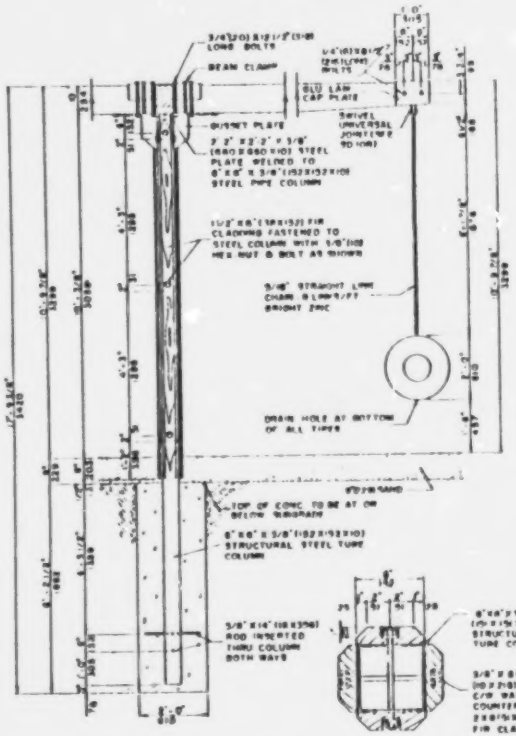
TIRE PLATE DETAIL



BEAM CLAMP ASSEMBLY

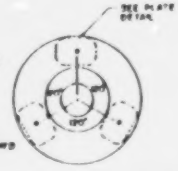
MATERIALS LIST

NO.	DESCRIPTION	SIZE
2	GLU LAMS	
4	FIR CLADDING	
1	STRUCTURAL STEEL TUBE COL	
4	CAR TIRES	
4	LINK CHAIN, BRIGHT ZINC - 8 LINKS/FT	
4	UNIVERSAL JOINT	
8	MACHINE BOLTS (COLUMN) C/W NUTS & WASHERS	
10	MACHINE BOLTS (BEAM CLAMPS)	
1	ASSEMBLY PLATE	
2	BEAM CLAMPS	
4	GUSSET PLATES	
8	TIRE PLATES	
4	GLU LAM CAP PLATES	
8	CAP PLATE BOLTS (MACHINE)	
8	CHAIN COLD CUTS	
8	EYE BOLTS	
2	COLUMN RODS	

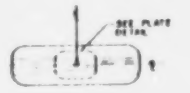


COLUMN X-SECTION

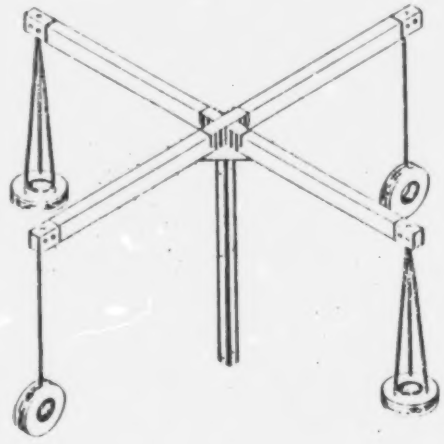
COLUMN THRU SECTION



HORIZONTAL TIRE PLATE CONNECTION



VERTICAL TIRE PLATE CONNECTION



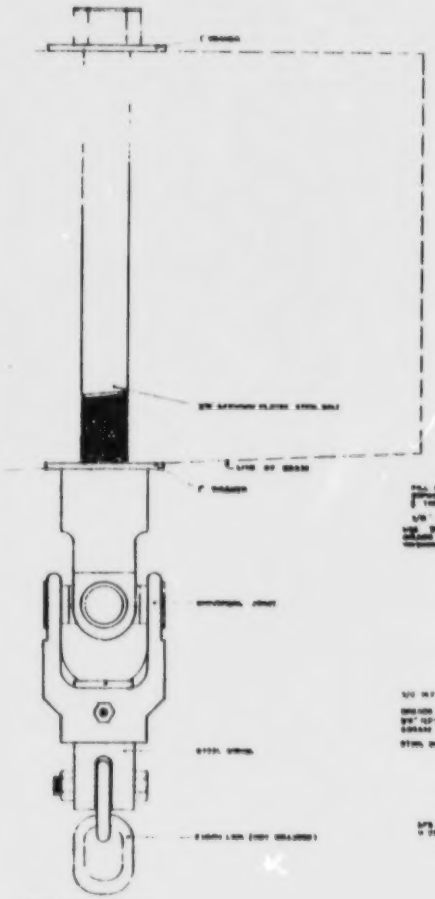
ISOMETRIC

Revisions NOV 8/78 - REDRAWN - D.R.C CKD

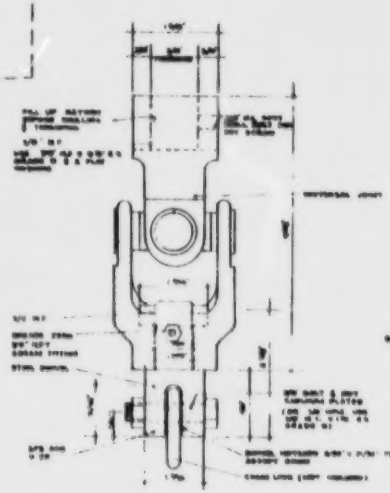
Edmonton Parks and Recreation

TIRE SWING

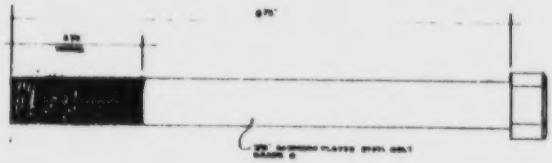
Drawn	Head of Design	Date	Drawing No.
D.R.C		NOV 8/78	SD 107
Design	Director	Scale	
Checked	Superintendent		
		File No.	

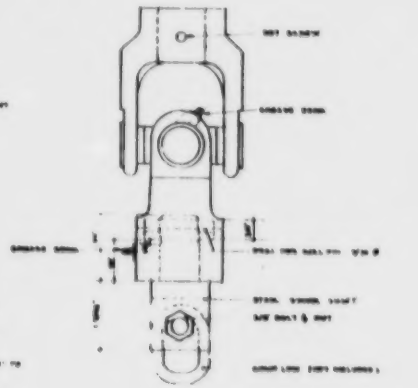


VIEW OF ASSEMBLY
AS INSTALLED



FRONT VIEW





SIDE VIEW

REVISIONS

DATE

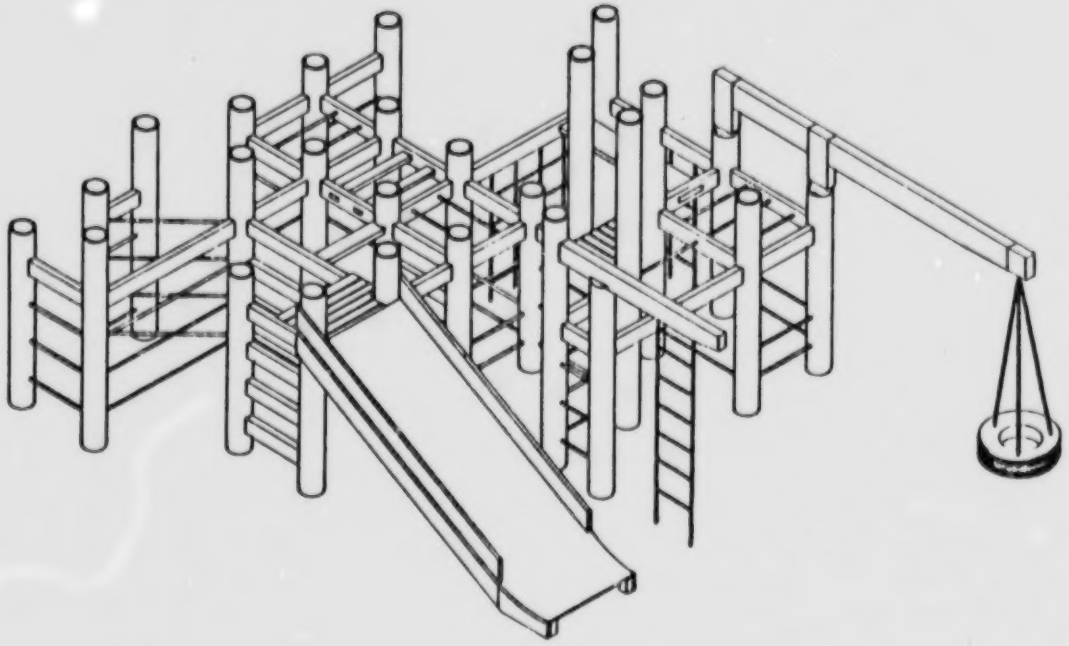
SCALE

THE CITY OF EDMONTON
PARKS AND RECREATION DEPARTMENT

UNIVERSAL JOINT DETAILS
TIRE SWING

SD

PLAN VIEW
ROPE SECTION
CLIMBING HOOK DETAIL
ANCHOR DETAIL
Edmonton Parks and Recreation
SPIDER WEB
SD
14



Edmonton Parks and Recreation

WOOD "CLIMB - ABOUT"

SD

MATERIALS LIST FOR SECTION A

MATERIAL	LOCATION	TOTAL LENGTH IMPERIAL	TOTAL LENGTH METRIC	HEIGHT ABOVE SAND LEVEL IMPERIAL	HEIGHT ABOVE SAND LEVEL METRIC
6" (150mm) DIA POSTS					

MATERIAL	LOCATION	LENGTH IMPERIAL	LENGTH METRIC
4" DIA POLES			

MATERIAL	QTY	LOCATION	LENGTH IMPERIAL	LENGTH METRIC
4" (100mm) DIA GALV STEEL POLES				

QTY	DESCRIPTION	MATERIAL	SIZE
	BEAMS		
	BRACE BEAMS		
	BRACES		
	TIES		
	TIE PLATES		
	UNIVERSAL JOINT		
	MACHINE BOLTS		
	MACHINE BOLTS		
	MACHINE BOLTS		
	U-BOLT		
	U-BOLT		
	LOG LIFT CHAIN		
	GOLD SHOT		
	CLIMBING HANDRAIL		
	U BRACKETS		
	U BRACKETS		
	GALVANIZED PIPE		
	U-BOLTS		

MATERIALS LIST FOR SECTION B

MATERIAL	LOCATION	TOTAL LENGTH IMPERIAL	TOTAL LENGTH METRIC	HEIGHT ABOVE SAND LEVEL IMPERIAL	HEIGHT ABOVE SAND LEVEL METRIC
6" (150mm) DIA POSTS					

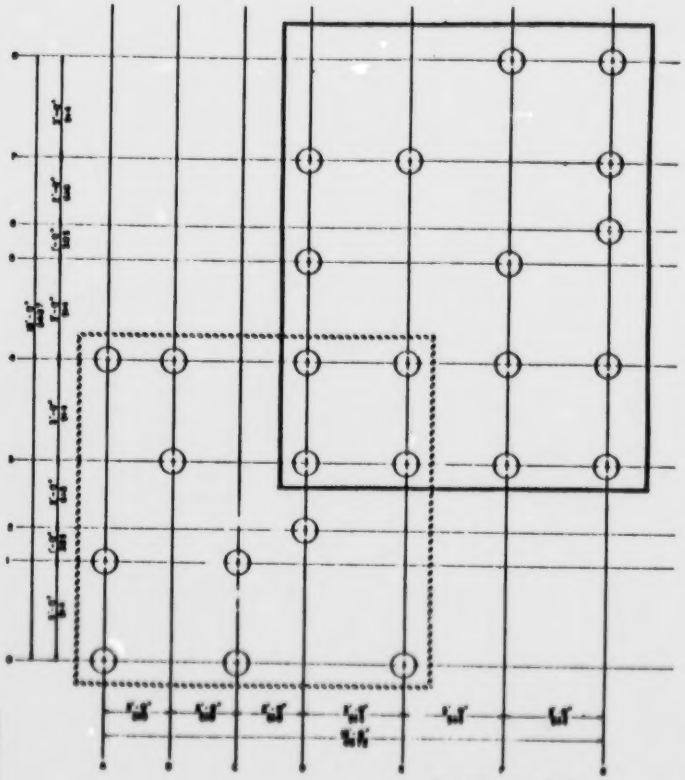
MATERIAL	LOCATION	LENGTH IMPERIAL	LENGTH METRIC
4" DIA POLES			

MATERIAL	QTY	LOCATION	LENGTH IMPERIAL	LENGTH METRIC
4" (100mm) DIA GALV STEEL POLES				

QTY	DESCRIPTION	MATERIAL	SIZE
	BEAMS		
	TIES		
	TIE PLATES		
	UNIVERSAL JOINT		
	MACHINE BOLTS		
	MACHINE BOLTS		
	U-BOLT		
	LOG LIFT CHAIN		
	GOLD SHOT		
	CLIMBING HANDRAIL		
	U BRACKETS		
	U BRACKETS		
	GALVANIZED PIPE		

CONSTRUCTION OF DIAMOND UNIT SECTION A AND SECTION B
* INDICATES MATERIALS DELETED FROM SECTION B
MATERIALS LIST (THESE ITEMS DUPLICATED)

——— SECTION A
- - - - SECTION B



LOCATION OF POSTS
SCALE 1:50

DEC 7 1973 GENERAL REVISIONS - plot
Revisions

CKD

Edmonton Parks and Recreation

WOOD "CLIMB - ABOUT"

Drawn	Head of Design
Design	Director
Checked	Superintendent

Date	Drawing No.
DEC 7 1973	SD
Scale 1:50	69
File No.	

Edmonton Parks and Recreation

WOOD "CLIMB - ABOUT"

SD

Edmonton Parks and Recreation

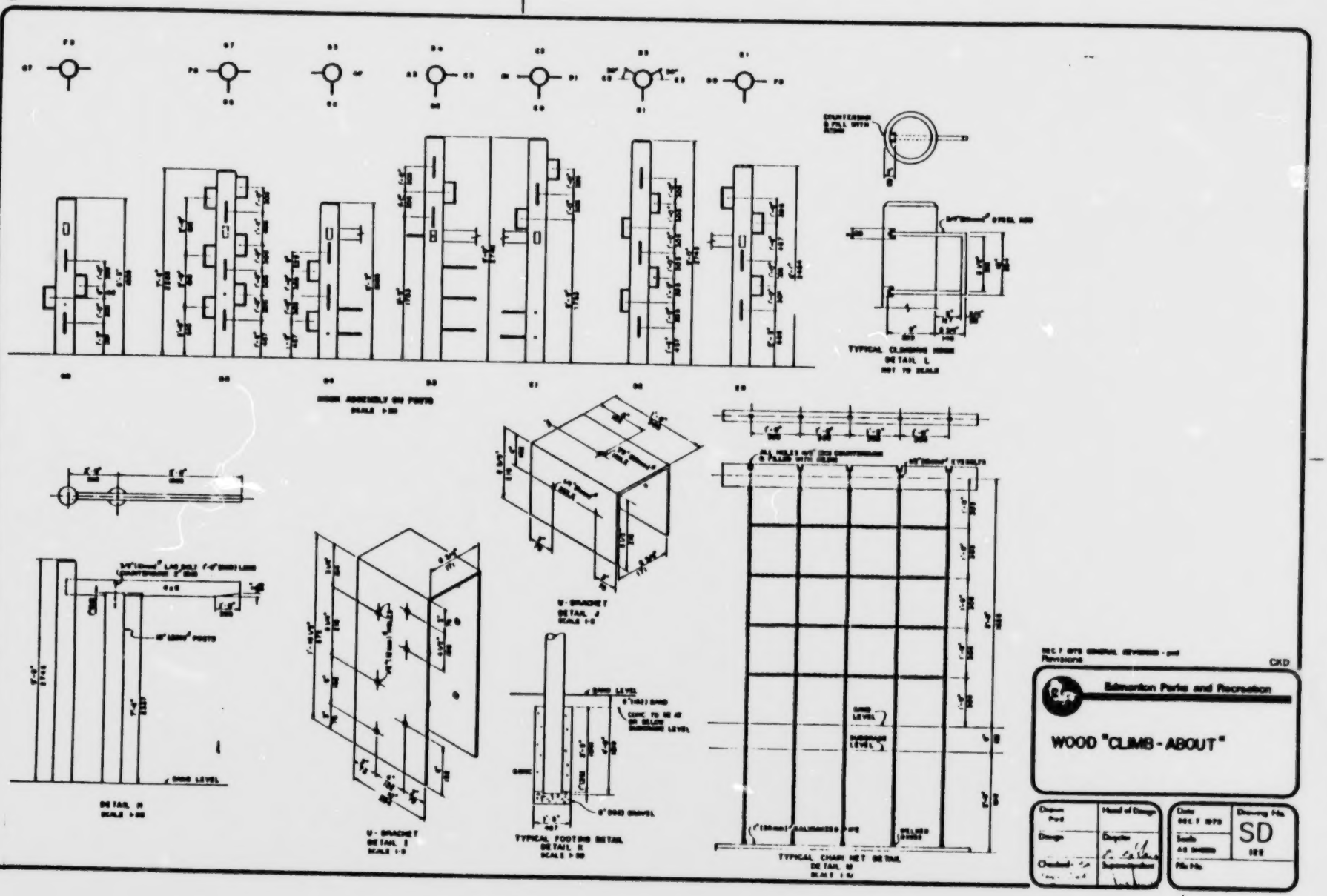
WOOD "CLIMB - ABOUT"

SD

Edmonton Parks and Recreation

WOOD "CLIMB-ABOUT"

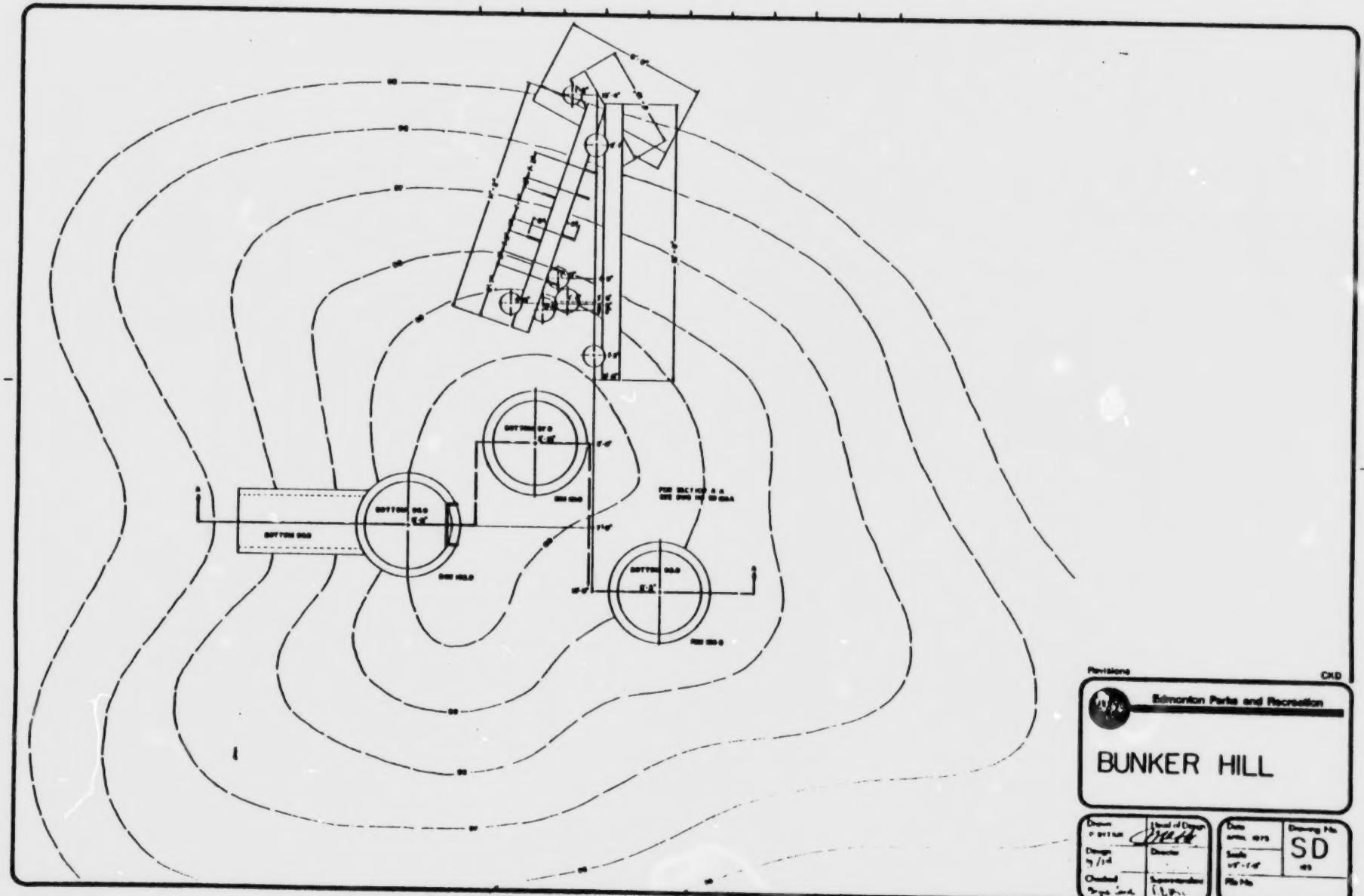
SD



Edmonton Parks and Recreation

WOOD "CLIMB - ABOUT"

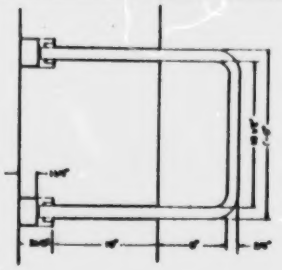
SD



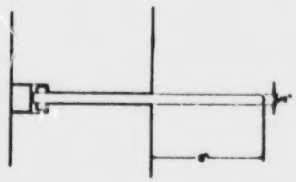
Edmonton Parks and Recreation

BUNKER HILL

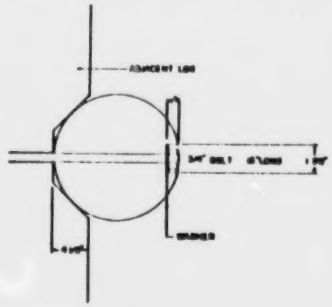
SD



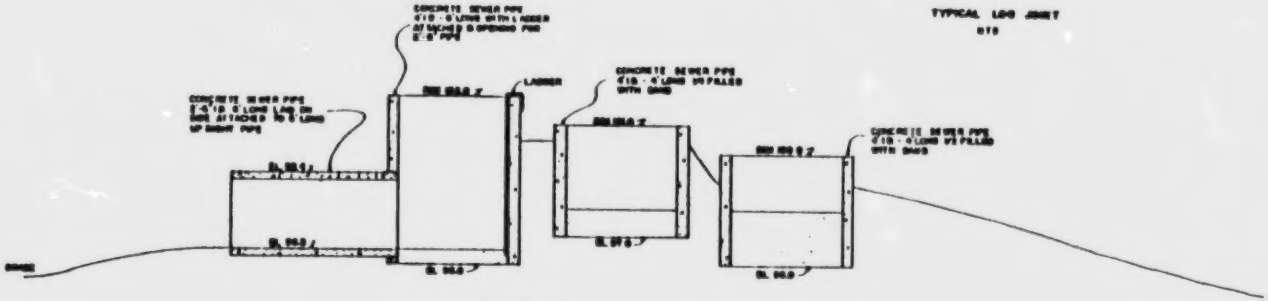
CLIMBING HOOK
NTS



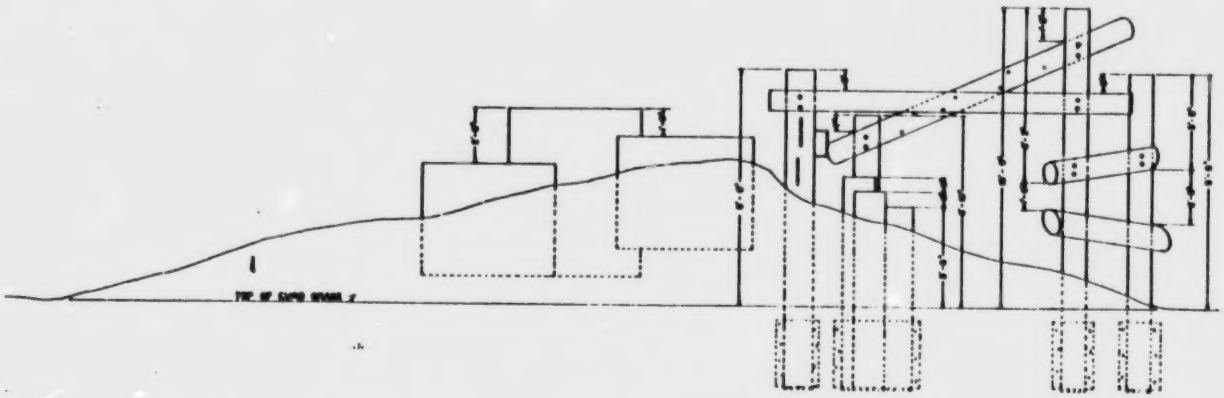
STEEL DOWEL DETAIL
NTS



TYPICAL LOG JOINT
NTS



SECTION A-A



ELEVATION

Revisions CKD

Edmonton Parks and Recreation

BUNKER HILL

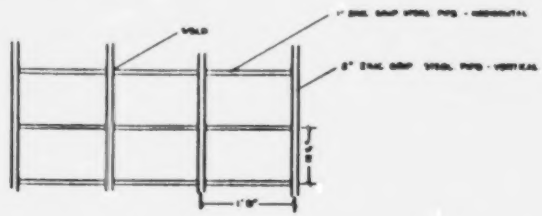
Drawn
Designed
Checked
Head of Design
Director
Superintendent

Date
Scale
Drawing No.
SD
186
File No.

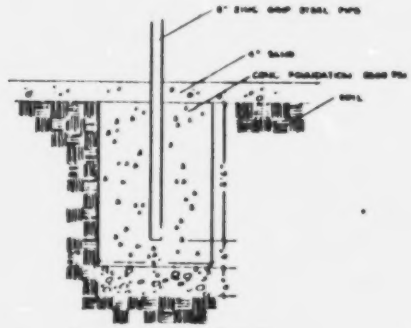
DETAILS FOR SENIOR CLIMBERS

CREATIVE PLAY EQUIPMENT

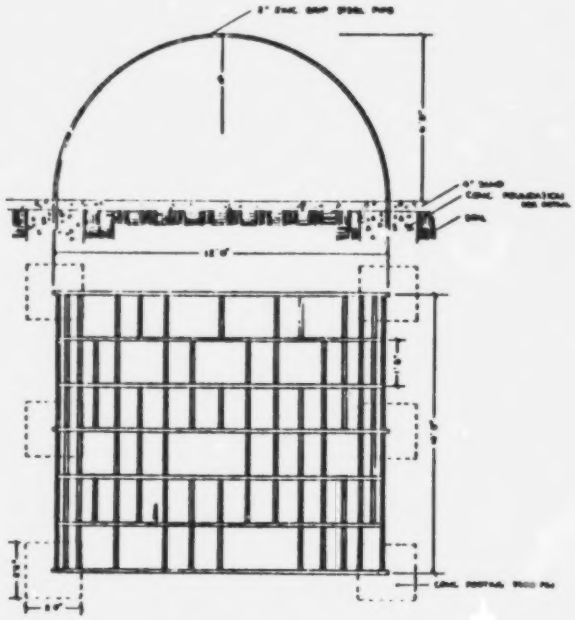
SD



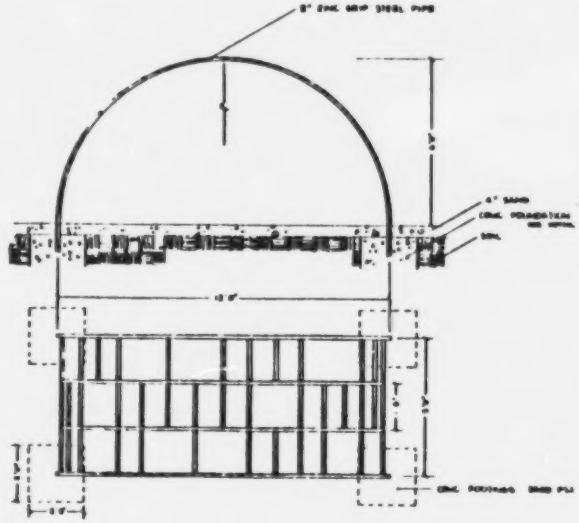
TYPICAL BAR SPACING



CONCRETE FOUNDATION DETAIL



LARGE 12 FOOT CLIMBER



MEDIUM 12 FOOT CLIMBER

REVISIONS

DATE _____ SCALE AS INDICATED

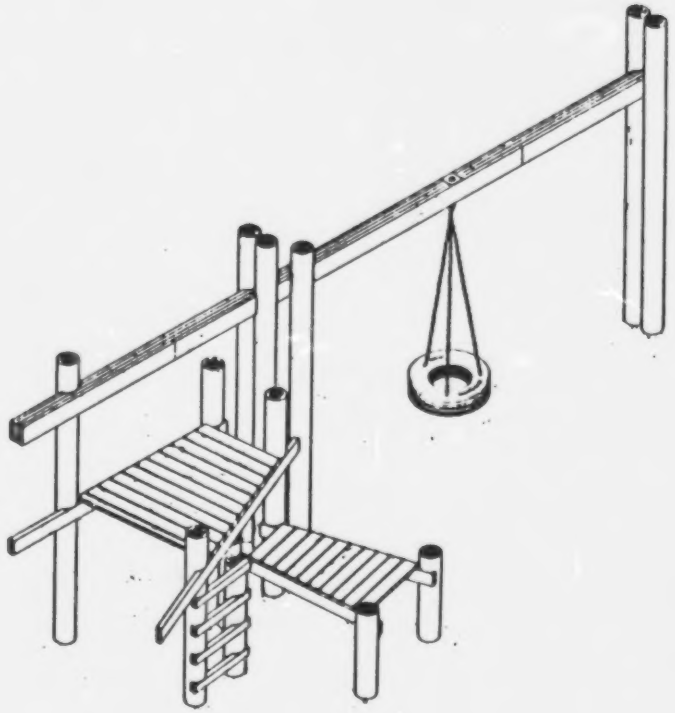
THE CITY OF EDMONTON

PARKS AND RECREATION DEPARTMENT

DETAILS FOR SENIOR CLIMBERS

CREATIVE PLAY EQUIPMENT

SD
.30

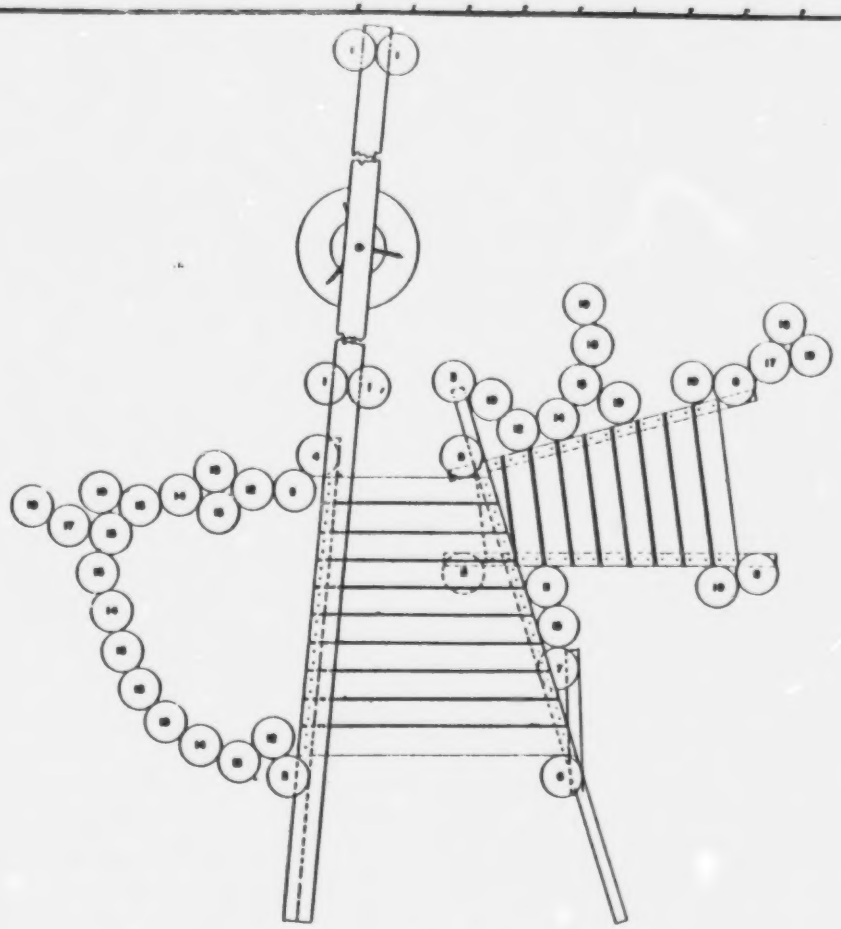


Revisions CKD

Edmonton Parks and Recreation

TREE HOUSE

Drawn	Head of Design	Date	Drawing No.
Design	Drafting	Scale	SD 132
Checked	Recommended	File No.	



OVERALL PLAN SHOWING CLIMBING LOGS

LOG SCHEDULE

NO.	QUANTITY	HEIGHT ABOVE GRADE	TOTAL LOG LENGTH	REMARKS
1	4	8'-0"	10'-0"	SEE DETAILS DWG. SD-132
2	1	10'-0"	12'-0"	
3	1	7'-0"	9'-0"	
4	1	9'-0"	11'-0"	
5	1	7'-0"	9'-0"	
6	1	6'-0"	10'-0"	
7	1	6'-0"	8'-0"	
8	8	6'-0"	7'-0"	
9	1	10'-0"	12'-0"	
10	1	6'-0"	10'-0"	
11	8	6'-0"	10'-0"	
12	3	6'-0"	9'-0"	
13	3	6'-0"	8'-0"	
14	4	6'-0"	8'-0"	
15	6	5'-0"	7'-0"	
16	3	5'-0"	7'-0"	
17	3	5'-0"	6'-0"	
18	3	5'-0"	6'-0"	
19	6	5'-0"	6'-0"	

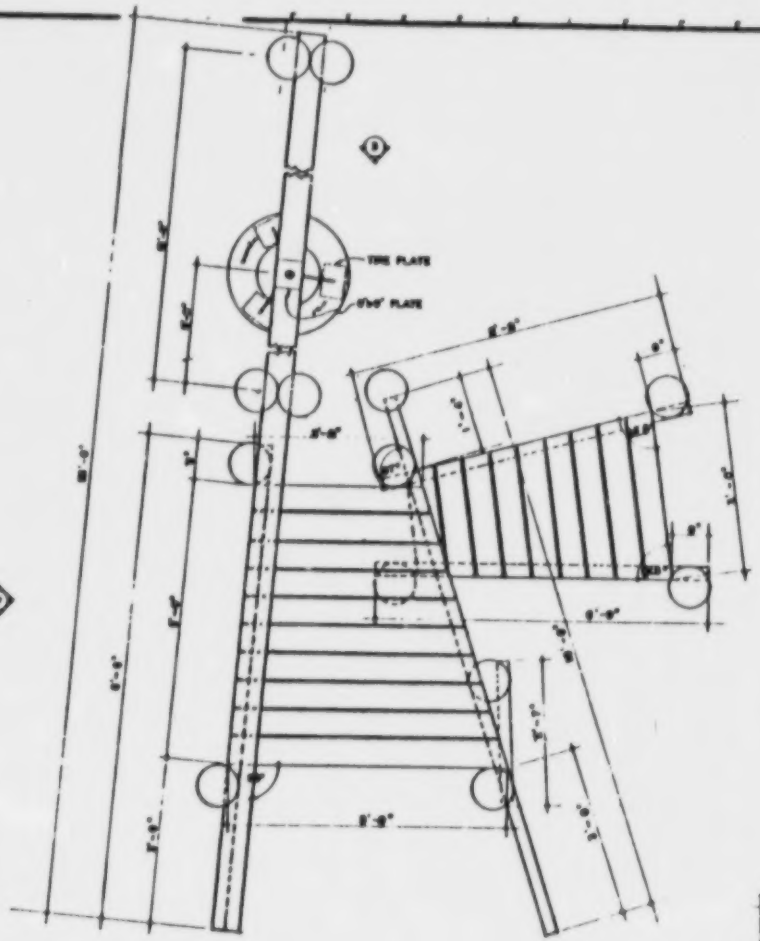
TOTAL 48 LOGS 8" DIAMETER

BEAM EXTENDED 8 TIRE SWING ADDED 04.19.79
REVISIONS
DATE MARCH 1978 SCALE 1"=1'-0" (CAD)

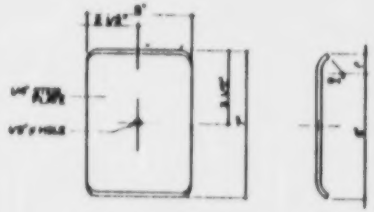
EDMONTON PARKS & RECREATION

TREE HOUSE

SD 132A



PLAN VIEW



TIRE PLATE DETAIL

MATERIAL LIST (INCLUDING LOOSE)

QUANTITY	DESCRIPTION	SIZE
10	WOOD DECKING	2 x 6 S DIMENSIONED FROM 5'-0" TO 8'-0"
9	WOOD DECKING	2 x 6 S DIMENSIONED FROM 3'-0" TO 7'-10"
4	LADDER RUNG	1" DIA x 1'-7"
1	BEAM (LAMINATED)	4 - 2 x 6 S 30'-0" LG
1	BEAM	2 x 6 S 8'-0"
1	BEAM	2 x 6 S 10'-0"
1	BEAM	2 x 6 S 8'-0"
1	BEAM	2 x 6 S 6'-0"
16	LAG BOLTS	3/8" x 3"
8	BOLTS C/W NUTS & WASHERS	1/2" x 10"
8	BOLTS C/W NUTS & WASHERS	1/2" x 7 1/2"
16	BOLTS C/W NUTS & WASHERS	1/2" x 6 1/2"
3	CHAIN STRAIGHT LINK	5/16 - 6'-0" LG
1	UNIVERSAL JOINT	
8	GALV ANCHOR RODS	1" DIA 3'-0" LONG
1	TIRE	
	ANCHOR RODS	3 1/4" LONG
	CONCRETE 20MPa	6" THICK @ 2'-0" CROWN AROUND LOG
2	TIRE PLATES	
1	6"x6" PLATE 1/4" THK	

ALL BOLTS TO BE 1/2" x 6 1/2" UNLESS OTHERWISE INDICATED

ALL BOLTS TO BE COUNTERBORE, COUNTERBORE TO BE 1" DEEP x 2" DIAMETER

ALL WOOD TO BE TREATED FOR WITH 2 COATS OLYMPIC STAIN COVERED WITH 2 COATS OLEATION

REVISIONS

DATE MARCH 1978 SCALE 1" = 1'-0"

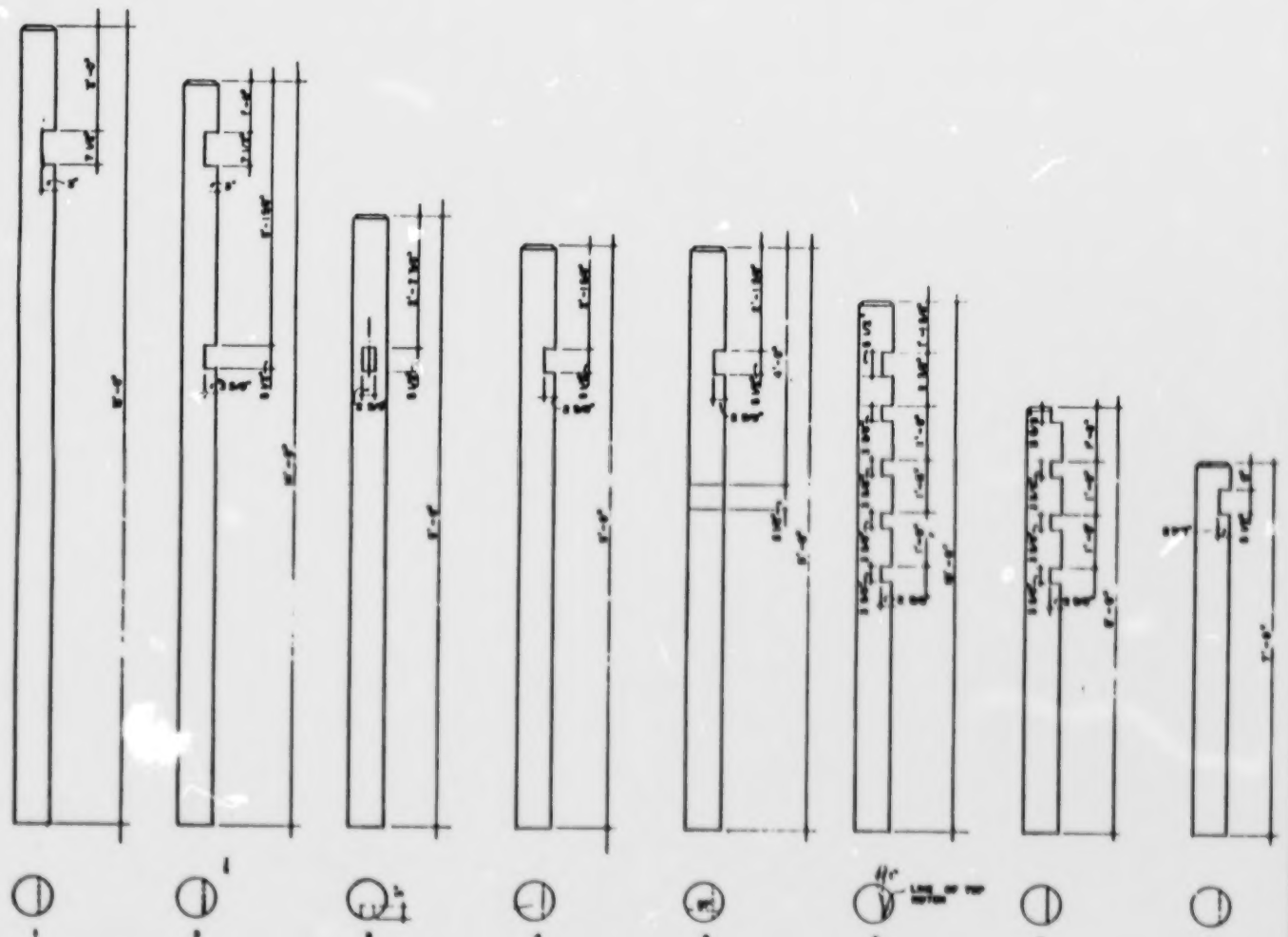
EDMONTON PARKS & RECREATION

TREE HOUSE

SD
138

TREE HOUSE

TREE HOUSE



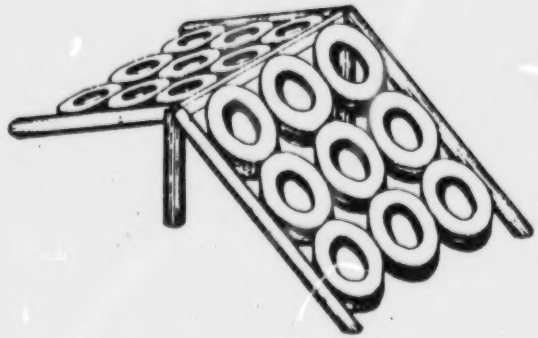
LOG DETAILS

EDMONTON PARKS & RECREATION

TREE HOUSE

SD

TOP VIEW

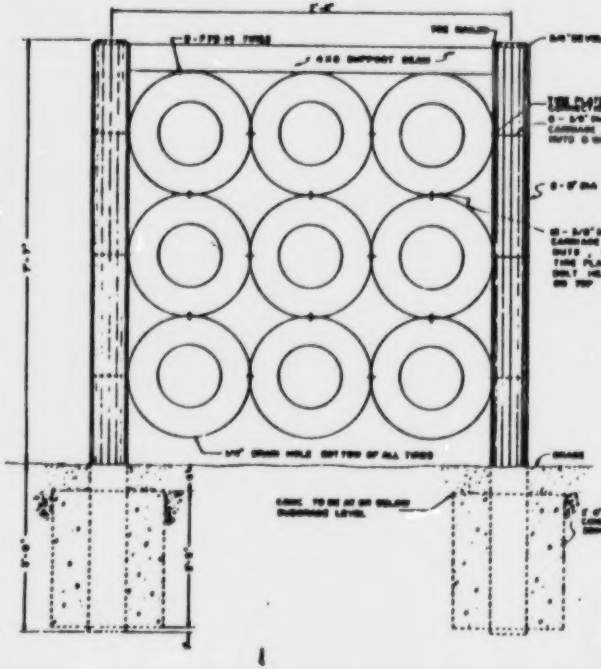


TIRE PYRAMID

SCALE: 1/4" = 1'-0"

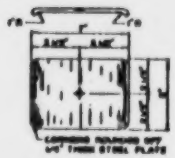
QUANTITY	DESCRIPTION	SIZE
1	LOAD	8" DIA. 8'-0" LG
3	TIRES	
48	CARRIAGE BOLTS C/W WASHERS AND NUTS	5/8" DIA. 8" LG
6	CARRIAGE BOLTS C/W WASHERS & NUTS	5/8" DIA. 6" LG
5	W. CL. HOOPS	5" LG
1	CHAIN	5/8" 12'-0" LG
5	EYE BOLTS	1/2" DIA. 9" LG
1	CONCRETE	2'-0" x 2'-0" x 2'-0" DEEP
1	SUPPORT BEAM	4 X 6 X 10'-0"
24	TIRE PLATES	3/16" THK. SEE DETAIL

QUANTITY	DESCRIPTION	SIZE
1	LOAD	8" DIA. 7'-0" LG
3	TIRES	
48	CARRIAGE BOLTS C/W WASHERS & NUTS	5/8" DIA. 8" LG
6	CARRIAGE BOLTS C/W WASHERS & NUTS	5/8" DIA. 6" LG
1	CHAIN	5/8" 12'-0" LG
5	EYE BOLTS	1/2" DIA. 9" LG
1	CONCRETE	2'-0" x 2'-0" x 2'-0" DEEP
1	SUPPORT BEAM	4 X 6 X 10'-0"
24	TIRE PLATES	3/16" THK. SEE DETAIL

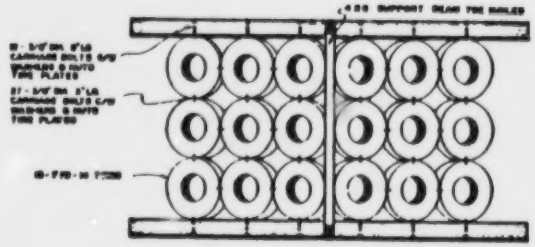


TIRE WALL

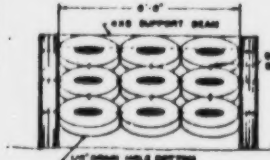
SCALE: 1/4" = 1'-0"



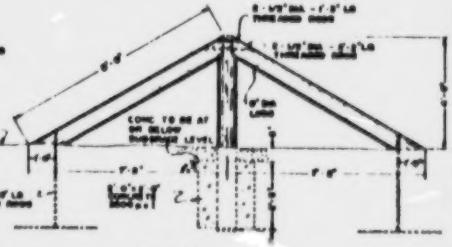
TIRE PLATE



PLAN VIEW



END VIEW



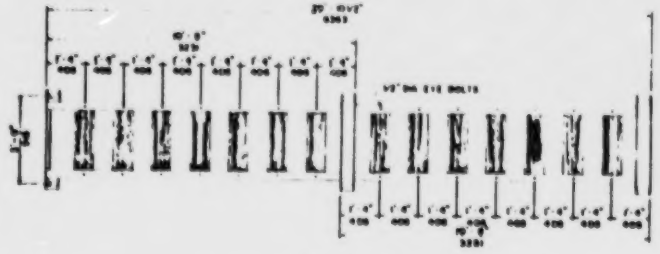
FRONT VIEW

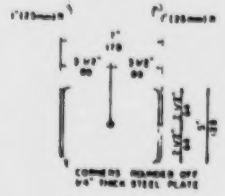
Revisions CKD

Edmonton Parks and Recreation

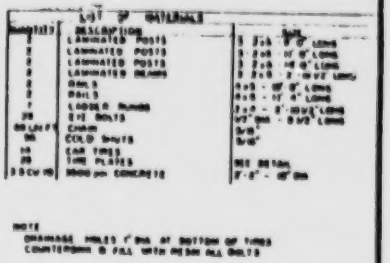
TIRE WALL
TIRE PYRAMID

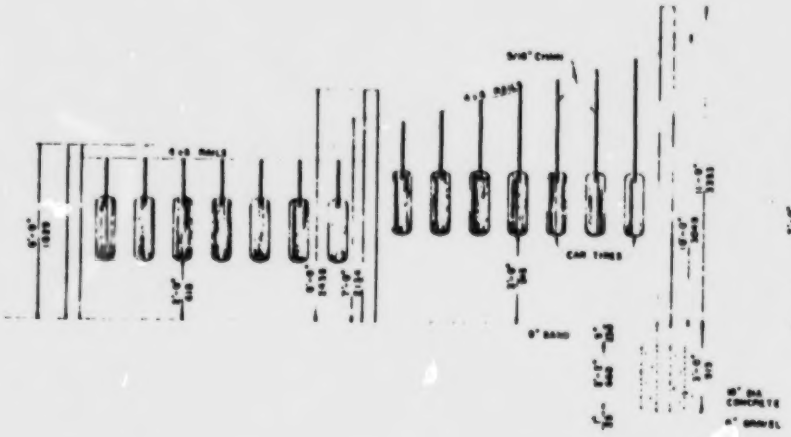
Drawn	Head of Design
Design	Director
Checked	Superintendent

Date	Drawing No.
Scale	SD 137
File No.	

PLAN VIEW

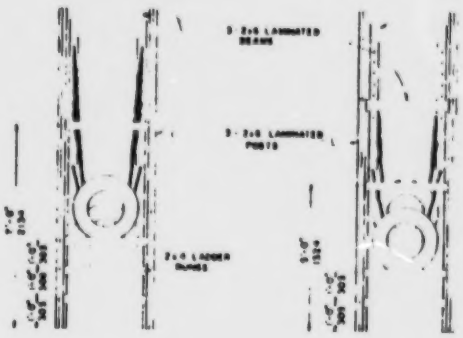


TIRE PLATE





ELEVATION



RIGHT ELEVATION

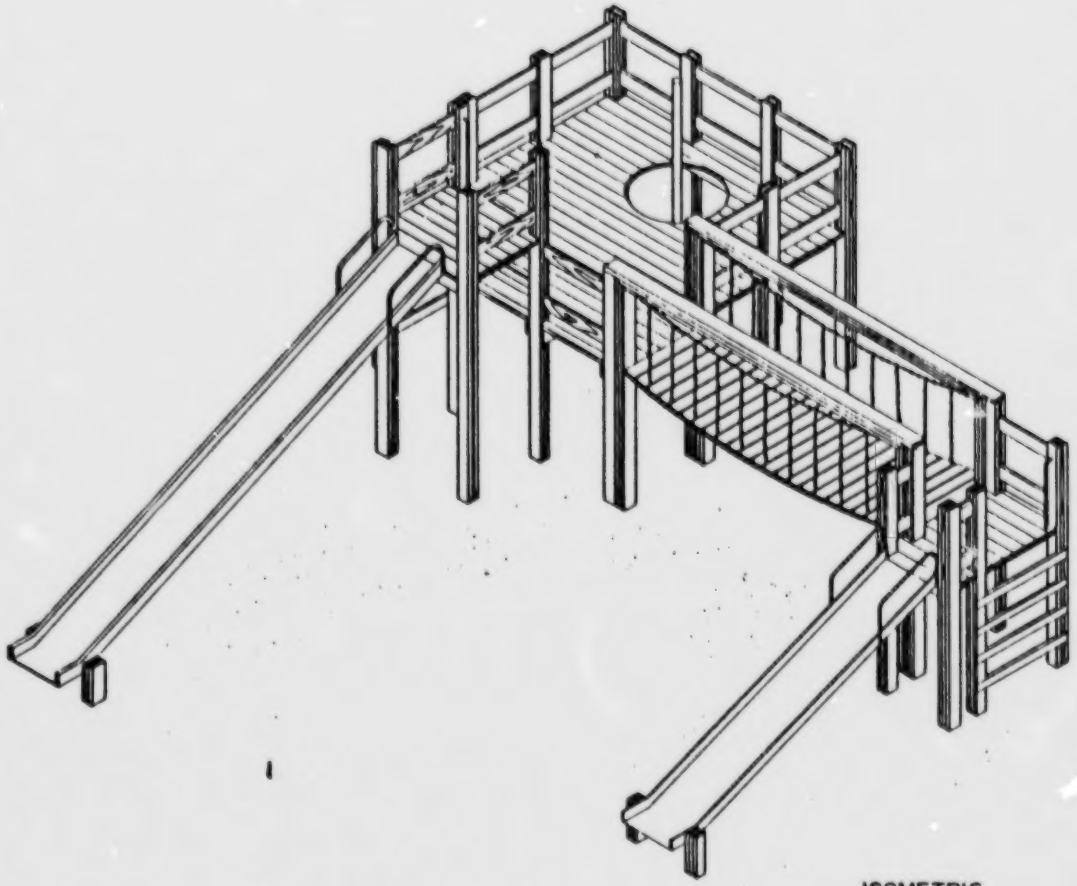
LEFT ELEVATION

Edmonton PARKS AND RECREATION

TIRE CRAWLER

Drawn	
Designed	
Checked	
Approved	

Date	June 25, 1979
Scale	1/2" = 1'-0"
File No.	
Drawing No.	SD 138



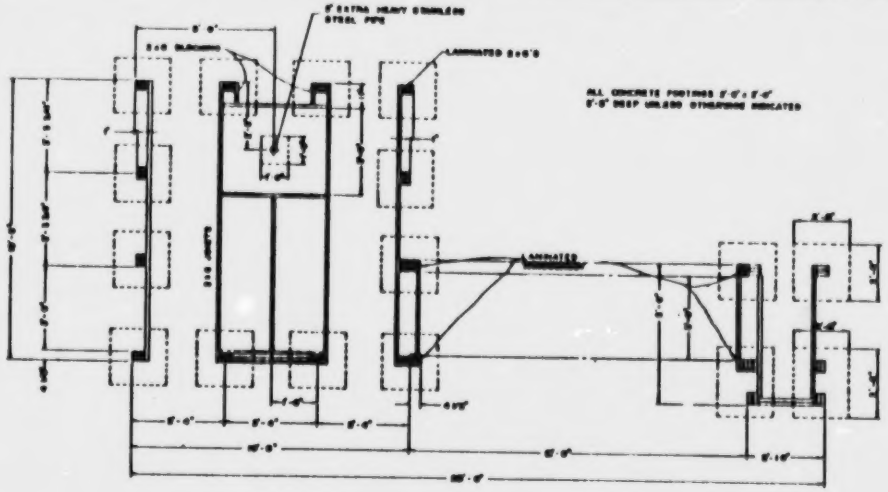
ISOMETRIC

Edmonton Parks and Recreation

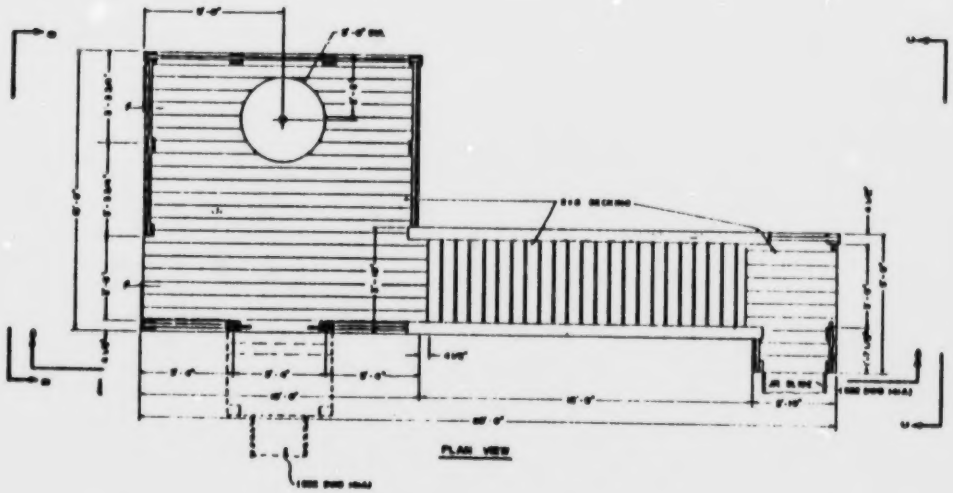
SUSPENSION BRIDGE

Drawn	Head of Design
Design	Director
Checked	Superintendent

Date	Drawing No.
Scale	SD 139
File No.	



POST AND JOIST DETAIL



PLAN VIEW

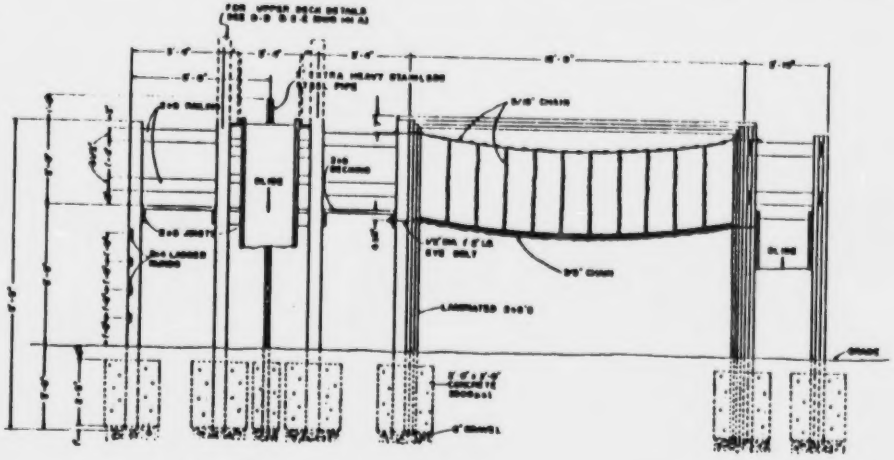
Revisions CKD

Edmonton Parks and Recreation

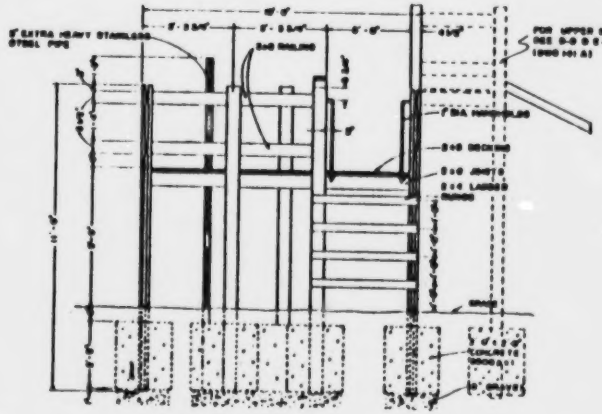
SUSPENSION BRIDGE

Drawn	Head of Design	Date	Drawing No.
Design	Director	Scale	SD 140
Checked	Superintendent	File No.	

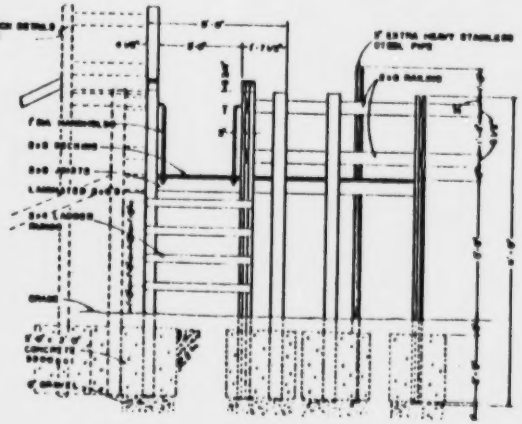
POST DETAIL



ELEVATION A-A



ELEVATION B-B



ELEVATION C-C

MATERIALS LISTS

NO	DESCRIPTION	SIZE
20	DECKING	
16	DECKING	
11	DECKING	
6	DECKING	
1	DECKING	
8	JOISTS	
8	JOISTS	
8	JOISTS	
1	JOIST	
8	BLOCKING	
8	BLOCKING	
8	BLOCKING	
8	JOISTS	
4	RAILING	
4	RAILING	
4	RAILING	
4	RAILING	
4	RAILING	
4	RAILING	
1	STRAIGHT SLIDE	
1	JUNIOR SLIDE	
2	HANDHOLDS	
2	HANDHOLDS	
2	LADDER RUNGS	
2	LADDER RUNGS	
60	CHAIN	
10'	CHAIN	
4	LAMINATED BRACE SUPPORTS	
4	LAMINATED POSTS (BRACE SUPP)	
4	LAMINATED POSTS	
4	LAMINATED POSTS	
4	EYE BOLTS C/W NUTS & WASHERS	
1	EXTRA HEAVY STAINLESS STEEL PIPE	
SQM	COATED RAILS	
7	CUBIC METERS OF CONCRETE	
2.5M	SLIDE SIDE PANELS	

NOV 27/78 - SLIDE ADDITION - DAE
SEPT 20, 1979 ADDED 2 LAMINATED POSTS - PDD
Revisions

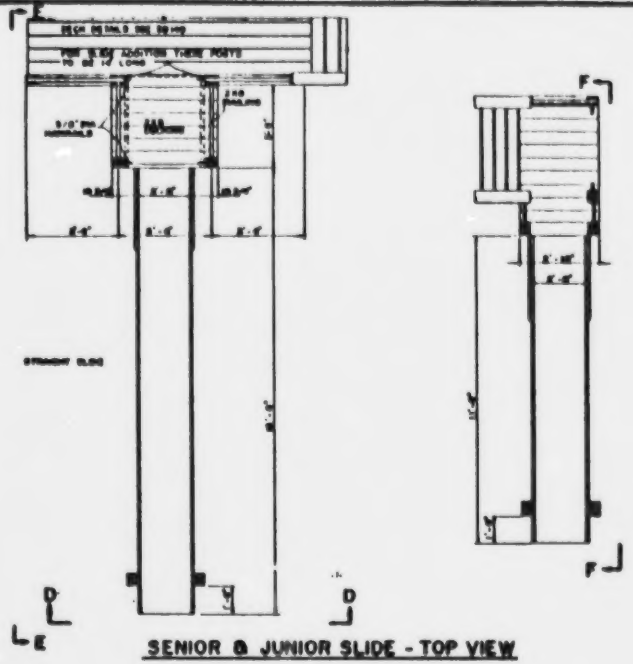
CKD

Edmonton Parks and Recreation

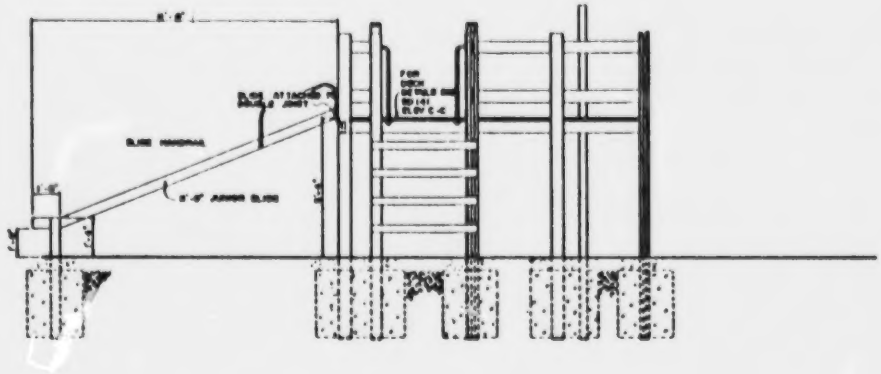
SUSPENSION BRIDGE

Drawn	Head of Design
Design	Director
Checked	Superintendent

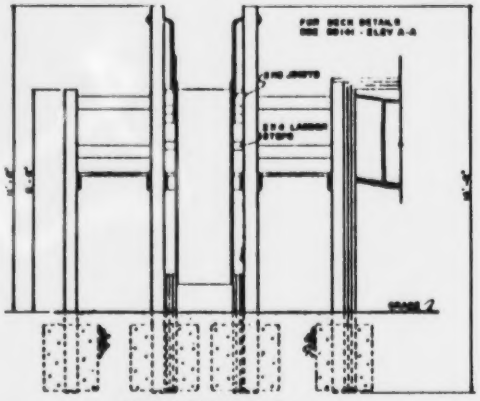
Date	Drawing No.
Scale	SD
File No.	



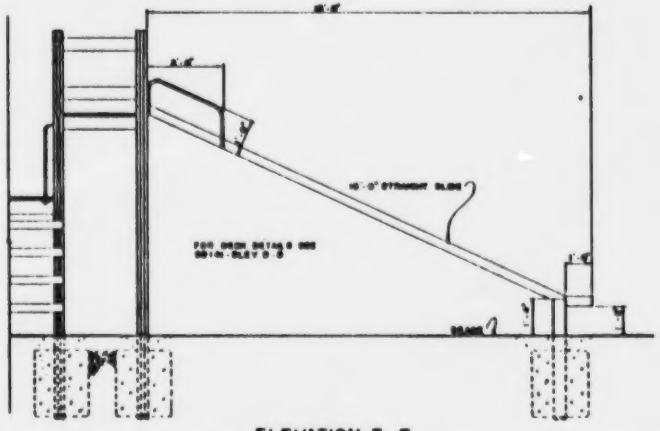
SENIOR & JUNIOR SLIDE - TOP VIEW



ELEVATION F-F



ELEVATION D-D



ELEVATION E-E

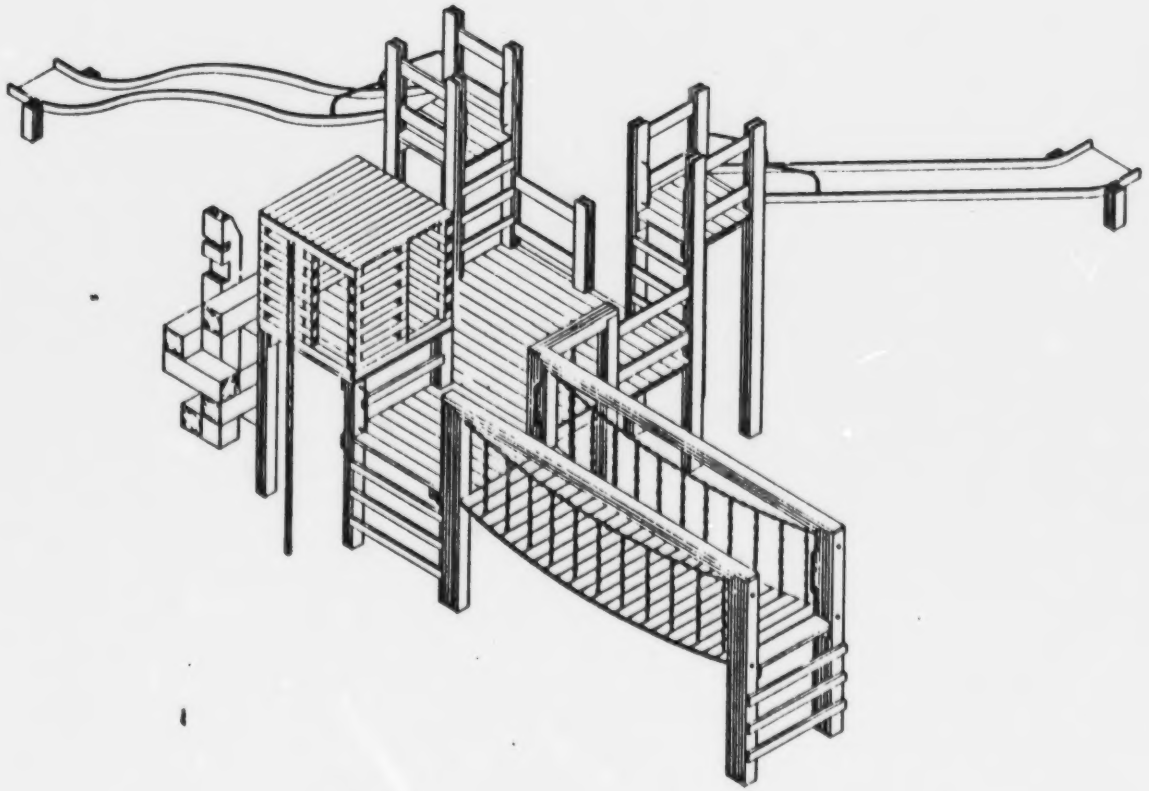
Revisions nov 20/78 - SLIDE MODIFICATION - DRC CKD

Edmonton Parks and Recreation

SUSPENSION BRIDGE

Drawn DRC	Head of Design
Design	Designer
Checked	Superintendent

Date nov 20/78	Drawing No. SD 141-A
Scale	
File No.	



MATERIAL LIST

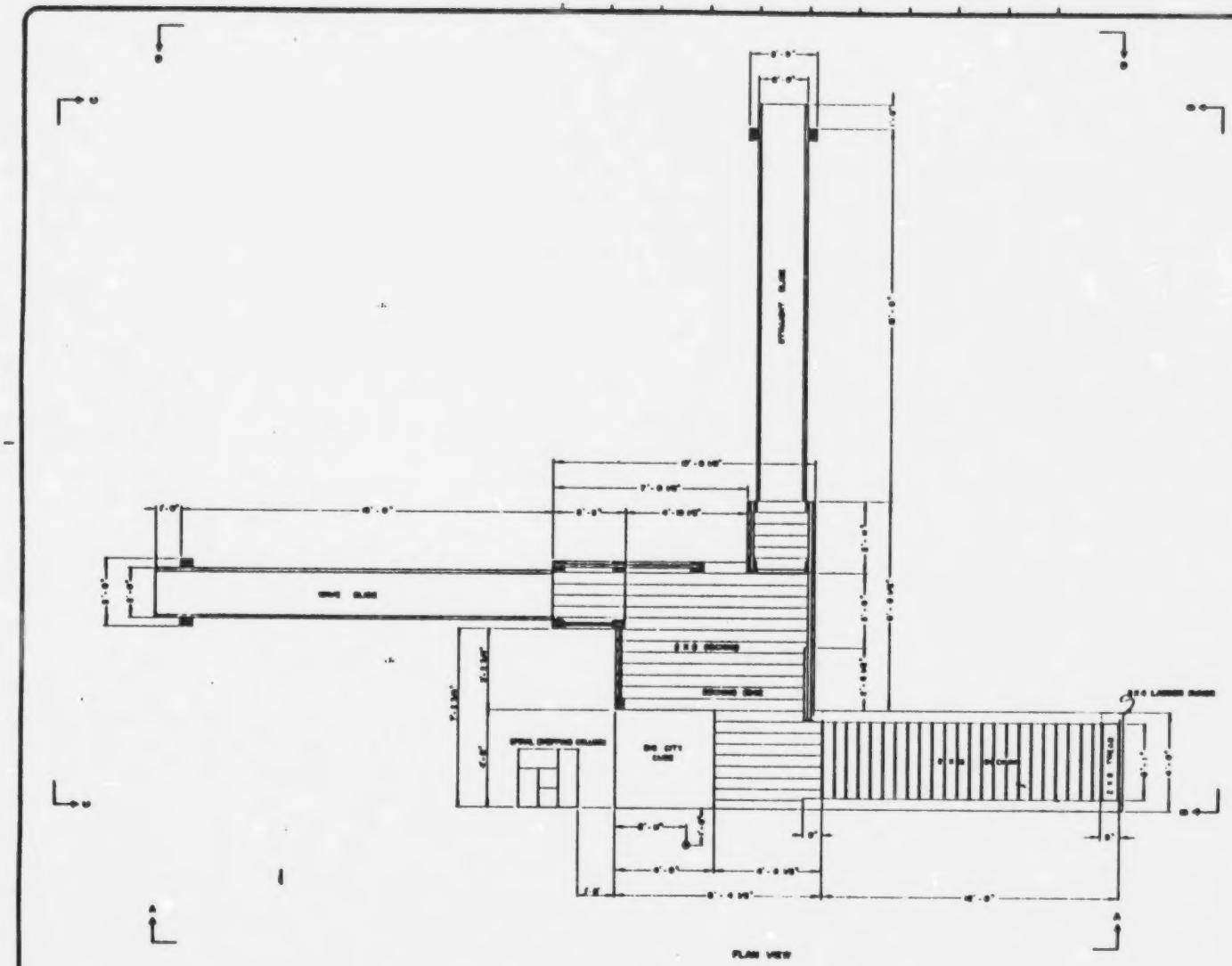
QUANTITY	DESCRIPTION	SIZE
6	LAMINATED POSTS	
4	LAMINATED POSTS	
4	LAMINATED POSTS	
1	LAMINATED POSTS	
1	LAMINATED POSTS	
2	JOISTS	
4	JOISTS	
2	BLOCKING	
2	BLOCKING	
2	BLOCKING	
2	DECKING	
2	DECKING	
2	DECKING	
2	DECKING	
2	DECKING	
2	DECKING	
2	DECKING	
2	DECKING	
2	RAILING	
2	RAILING	
2	RAILING	
2	RAILING	
2	LADDER RUNGS	
2	LADDER RUNGS	
2	LADDER RUNGS	
1	CHAIN	
1	LADDER RUNGS	
20 LIN FT	CHAIN	
8	LAMINATED POSTS	
1	EYE BOLT C/W NUTS & WASHERS	
1	EYE BOLT C/W NUTS & WASHERS	
1	ANCHOR RODS	
1	STEEL PIPE	
20	SAND	
1	SWING HOLDS	
2	10' STRAIGHT SLIDE	
1	10' CURVE SLIDE	

Revisions CKD

Edmonton Parks and Recreation

MULTI DECK

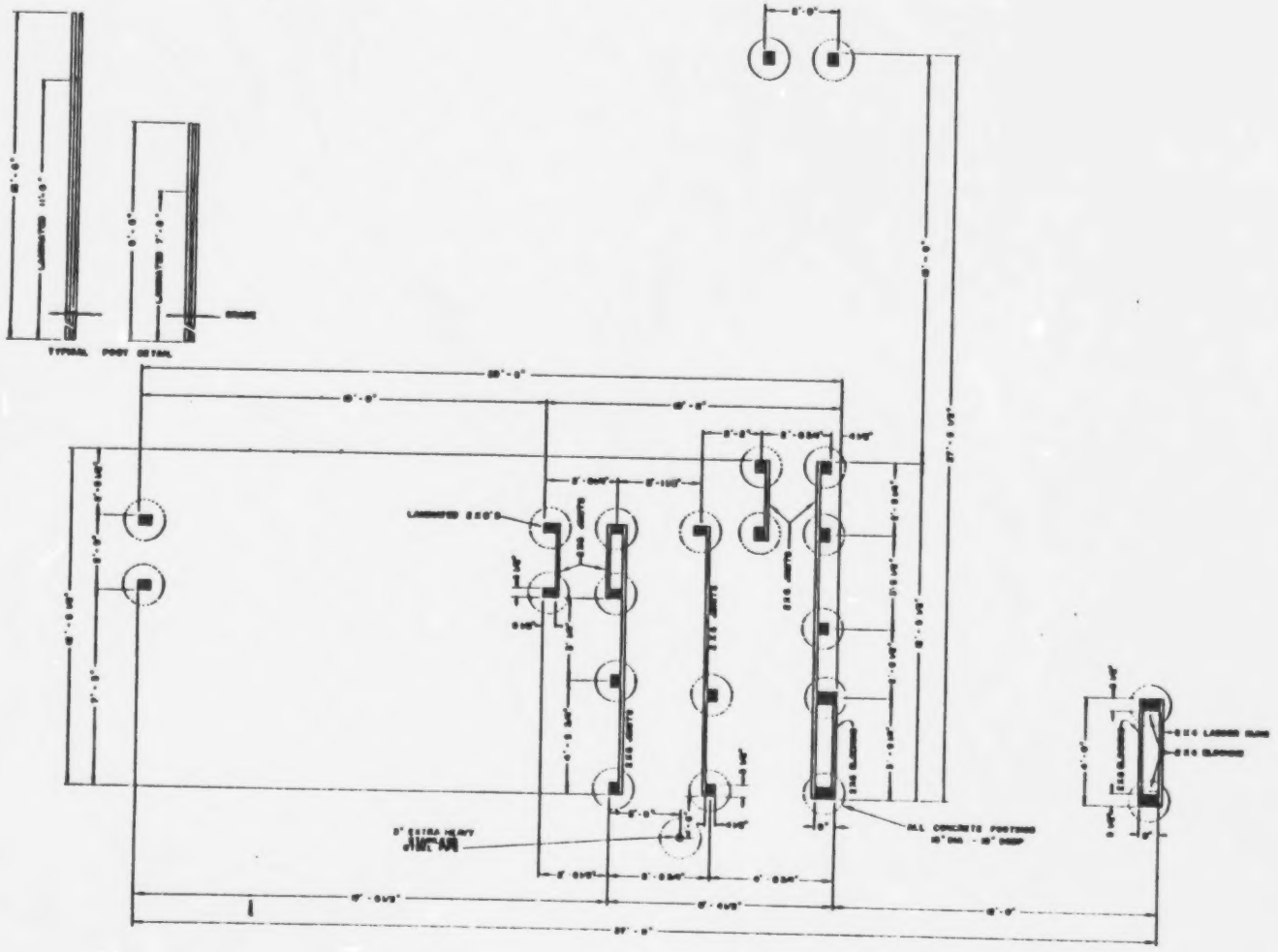
Drawn	Head of Design	Date	Drawing No.
Design	Director	Scale	SD
Checked	Superintendent	File No.	



Edmonton Parks and Recreation

MULTI DECK

SD



POST AND JOINT DETAIL

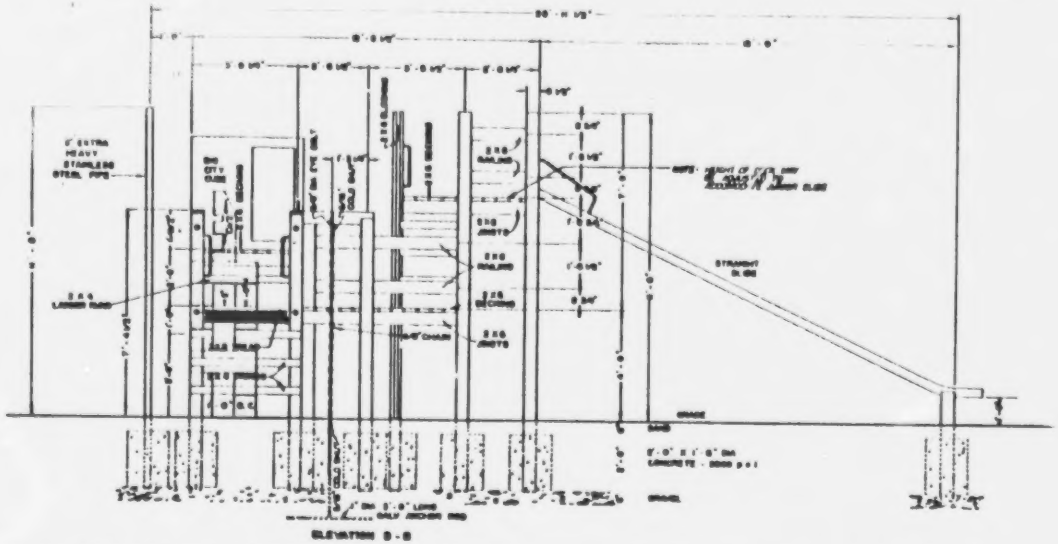
Revisions

CKD

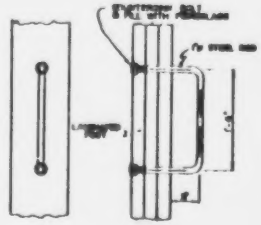
Edmonton Parks and Recreation

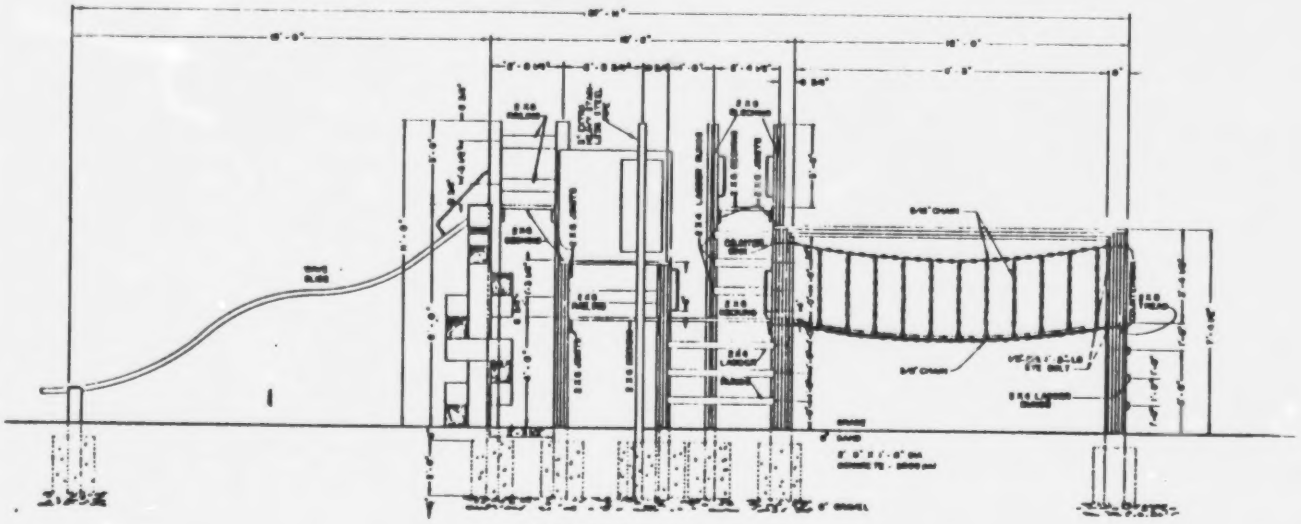
MULTI DECK

Drawn	Head of Design	Date	Drawing No.
Design	Director	Scale	SD
Checked	Superintendent	File No.	



ELEVATION B - B





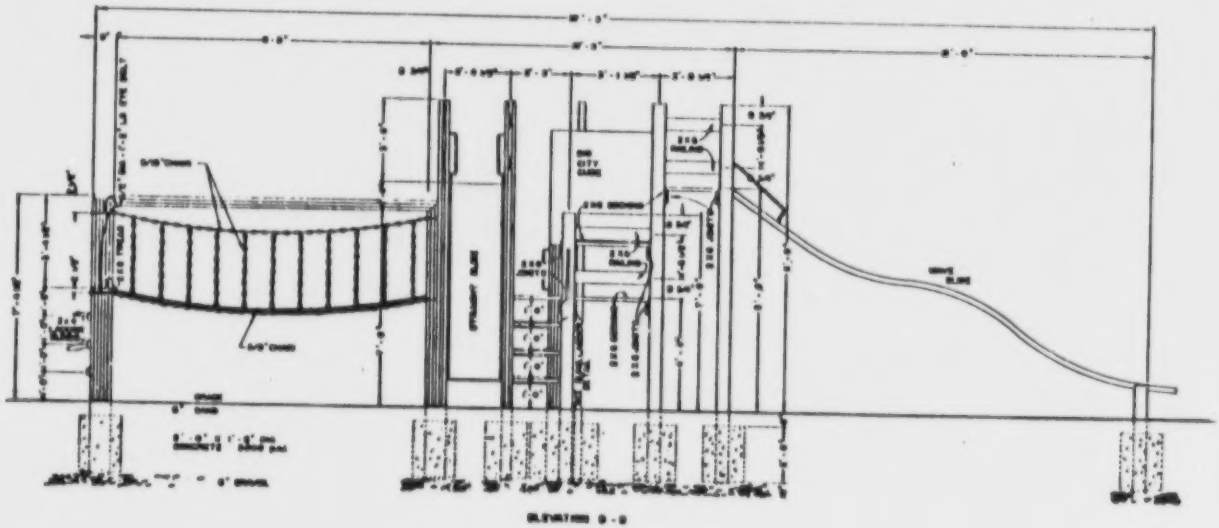
ELEVATION A - A

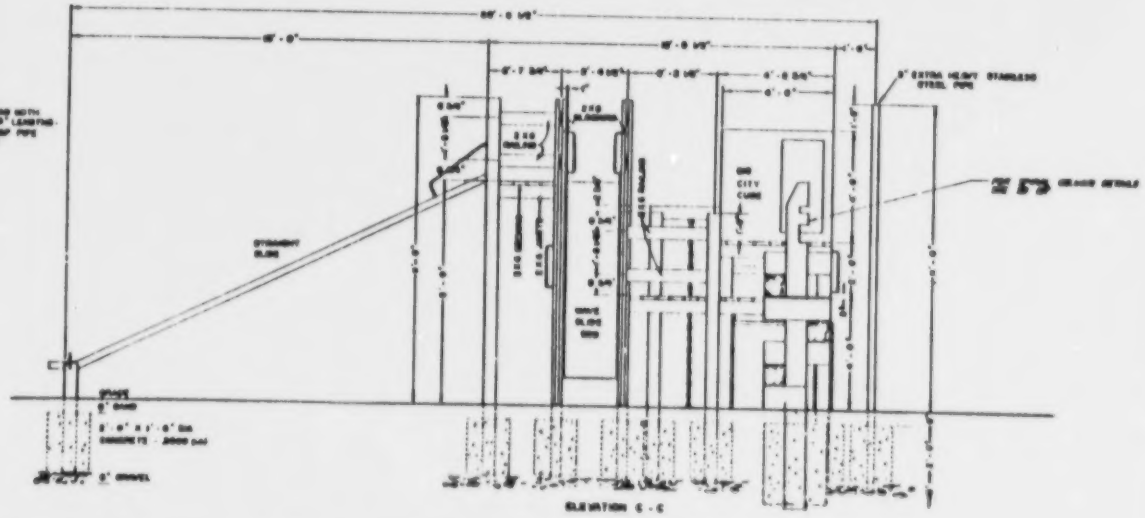
Revisions CKD

Edmonton Parks and Recreation

MULTI DECK

Drawn	Head of Design	Date	Drawing No.
Design	Director	Scale	SD
Checked	Superintendent	File No.	





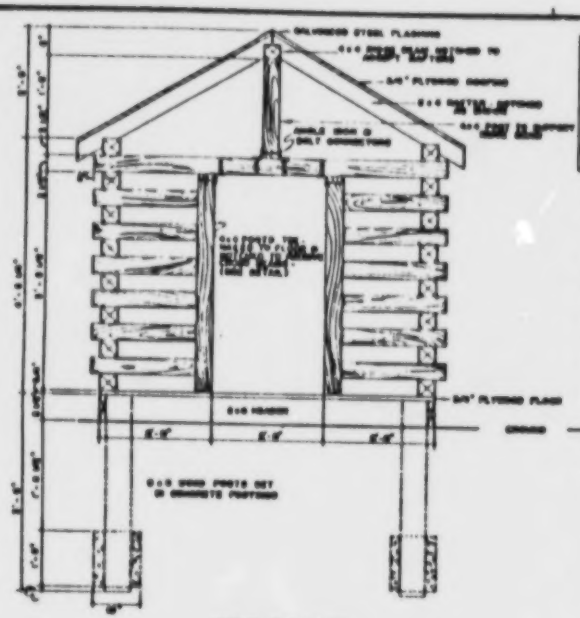
Revisions CKD

Edmonton Parks and Recreation

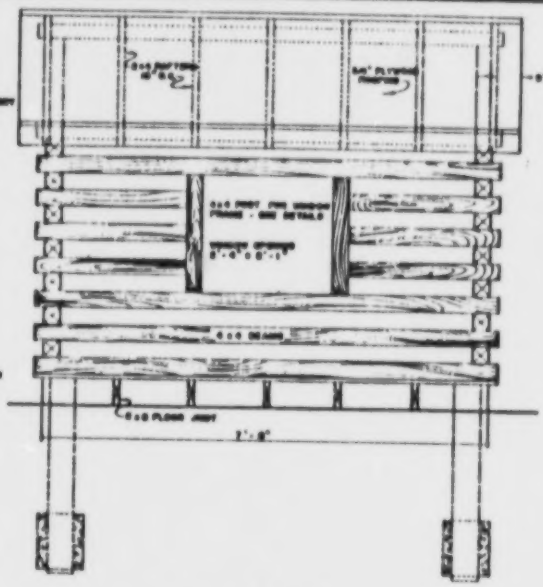
MULTI DECK

Drawn	Head of Design
Design	Director
Checked	Superintendent

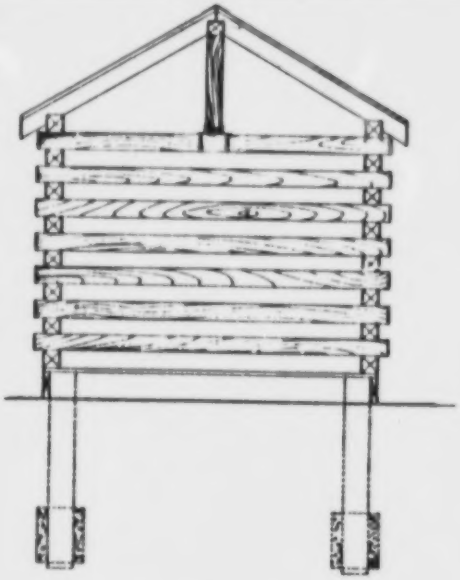
Date	Drawing No.
Scale	SD
File No.	



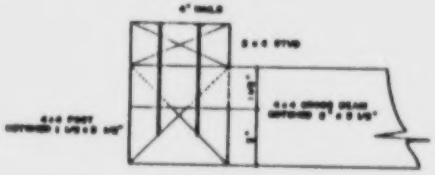
FRONT ELEVATION

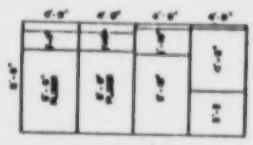
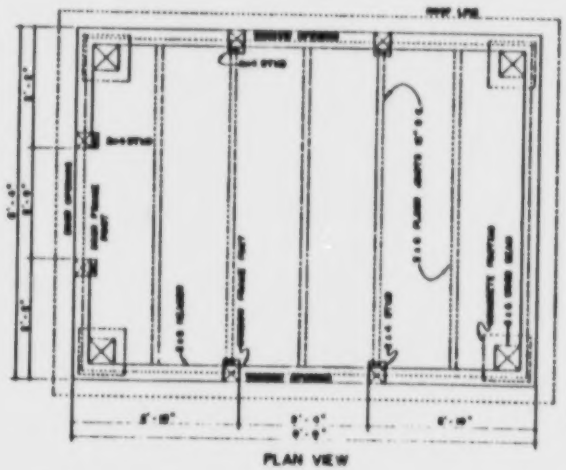


SIDE ELEVATION



REAR ELEVATION



DETAIL FOR WINDOW & DOOR FRAME CONSTRUCTION



PLAN VIEW

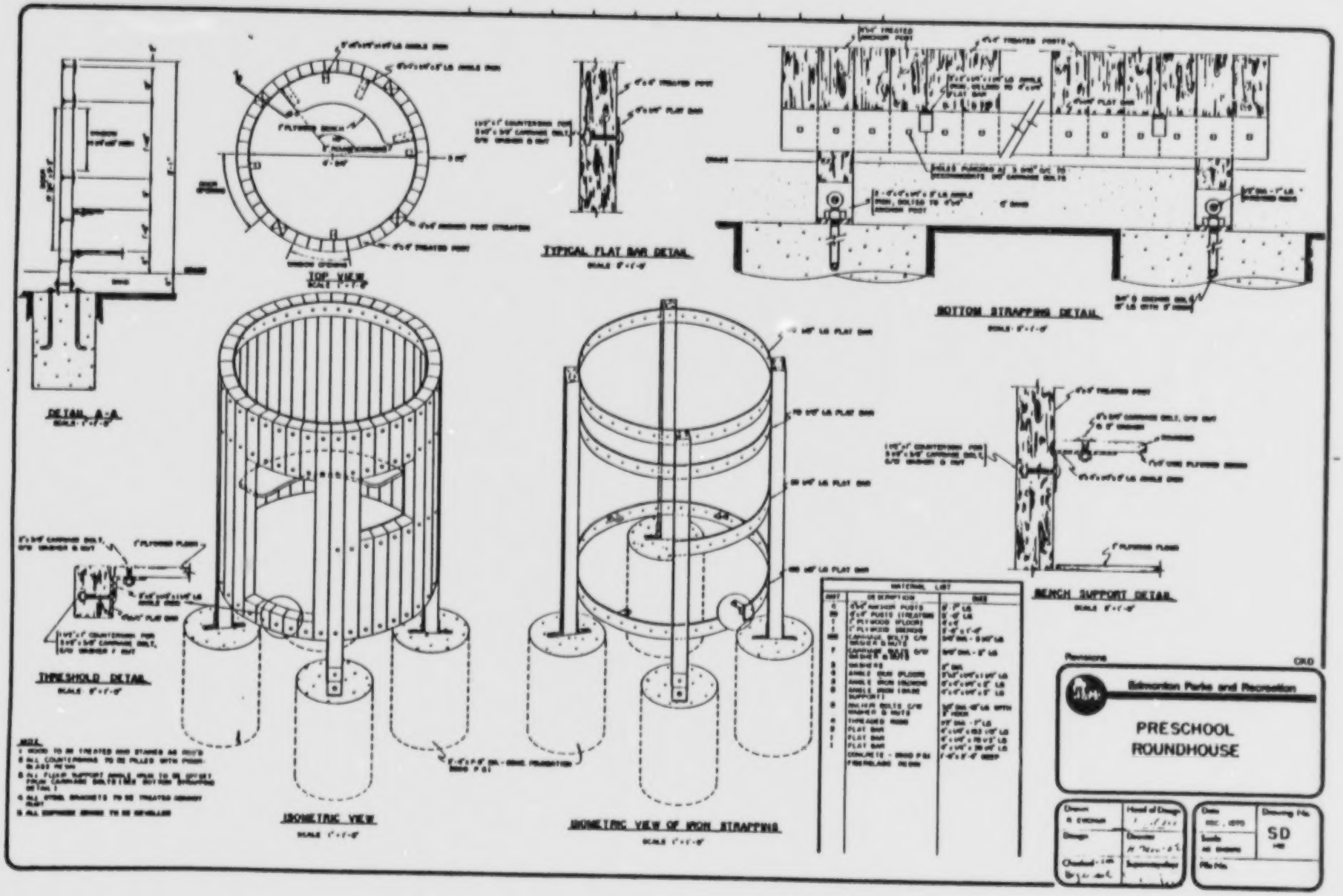
MATERIAL LIST		
QUANTITY	DESCRIPTION	SIZE
100 SQ. FT.	PLYWOOD AND CUTTING DETAILS	3/4"
200 LIN. FT.	0 X 0	
75 LIN. FT.	0 X 0	
75 LIN. FT.	0 X 0	
10 LIN. FT.	0 X 0	
0	ANGLE IRON	0" x 0" x 1/4" THICK - 0 1/2" LONG
4 PARTIONS	GALVANIZED STEEL FLASHING	0" x 0" - 0" LONG
	CONCRETE	0" x 0" x 0" - 0"

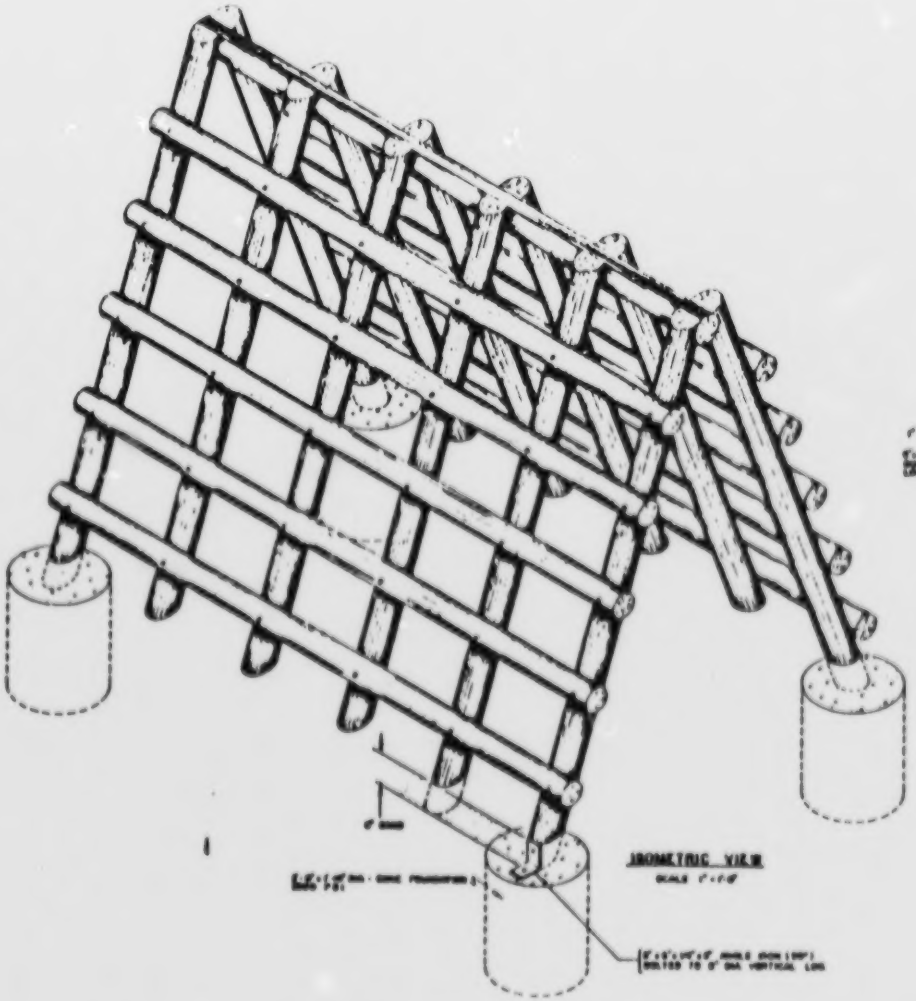
Revisions CKD

Edmonton Parks and Recreation

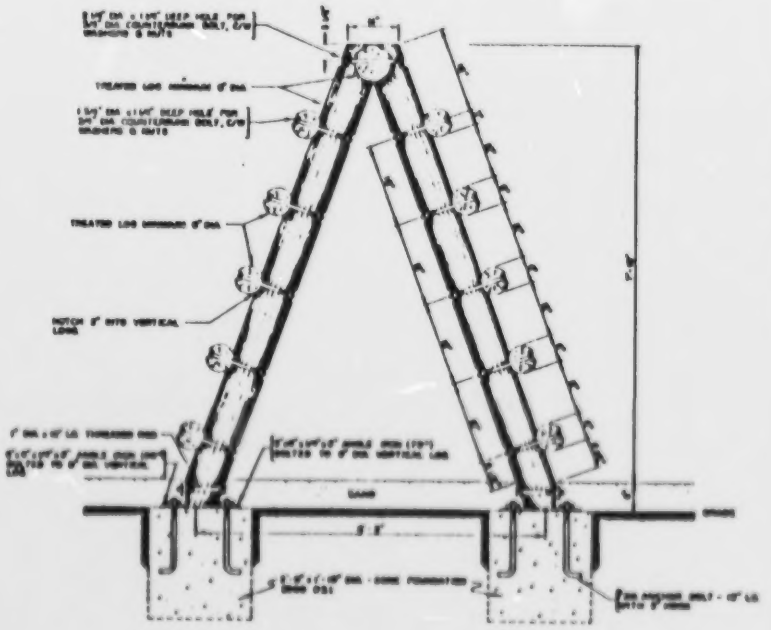
LOG CABIN

Drawn: RB	Head of Design:	Date: SEPT. 1975	Drawing No. SD 167
Design:	Director:	Scale: 1" = 1'-0"	
Checked: B/Bryan Jack	Superintendent:	File No.	


DETAIL A-A
TOP VIEW
TYPICAL FLAT BAR DETAIL
BOTTOM STRAPPING DETAIL
BENCH SUPPORT DETAIL
THRESHOLD DETAIL
ISOMETRIC VIEW
ISOMETRIC VIEW OF HIGH STRAPPING
Edmonton Parks and Recreation
PRESCHOOL
ROUNDHOUSE
SD



ISOMETRIC VIEW



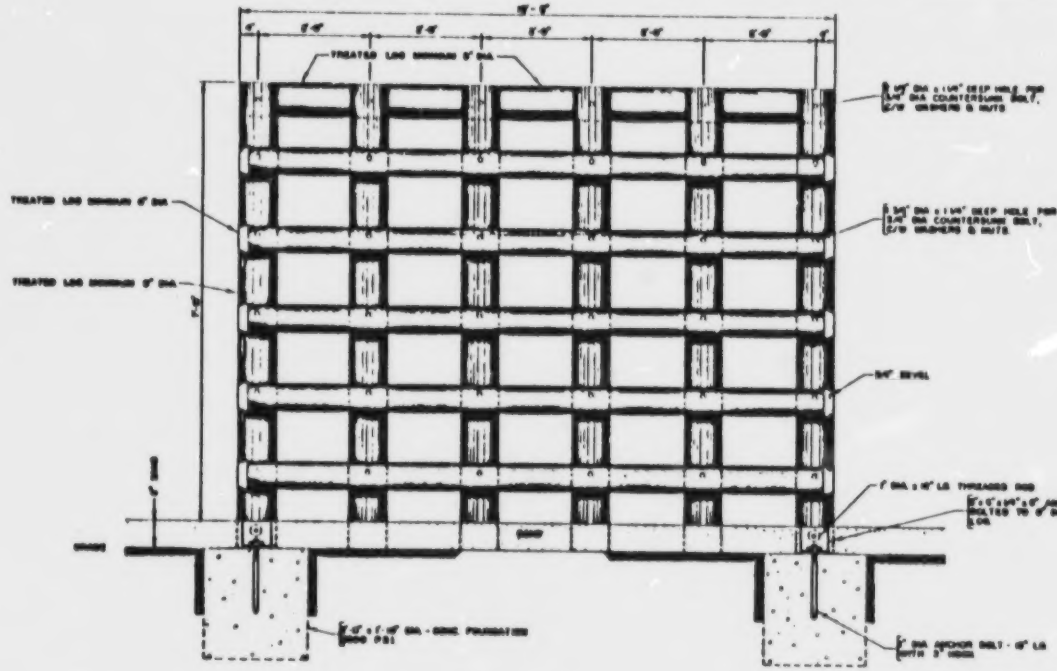
END VIEW

Revisions GRID

Edmonton Parks and Recreation

LOG CLIMB

Drawn	Head of Design	Date	Drawing No.
Design	Director	Scale	SD
Checked	Superintendent	File No.	



SIDE VIEW

MATERIAL LIST		
QNT	DESCRIPTION	SIZE
10	6" DIA LOGS - TREATED AND STAINED AS REQUIRED	APPROX 9'-0" LG
1	6" DIA LOG - TREATED AND STAINED AS REQUIRED	10'-0" LG
10	6" DIA LOGS - TREATED AND STAINED AS REQUIRED	10'-0" LG
8	ANGLE IRON (BASE SUPPORT)	6"x6"x1/4"x8" LG
8	ANCHOR BOLTS C/W WASHERS & NUTS	1" DIA - 12" LG WITH 3" HOOK
60	THREADED RODS C/W WASHERS & NUTS	3/4" DIA x 12" LG
8	THREADED RODS C/W WASHERS & NUTS, (BASE SUPPORT)	1" DIA x 12" LG
8	RODS - THREADED AT BOTH ENDS C/W WASHERS & NUTS	3/4" DIA x 48" LG
	CONCRETE - 3000 PSI REINFORCING AS SHOWN	1'-10" x 2'-0" DEEP

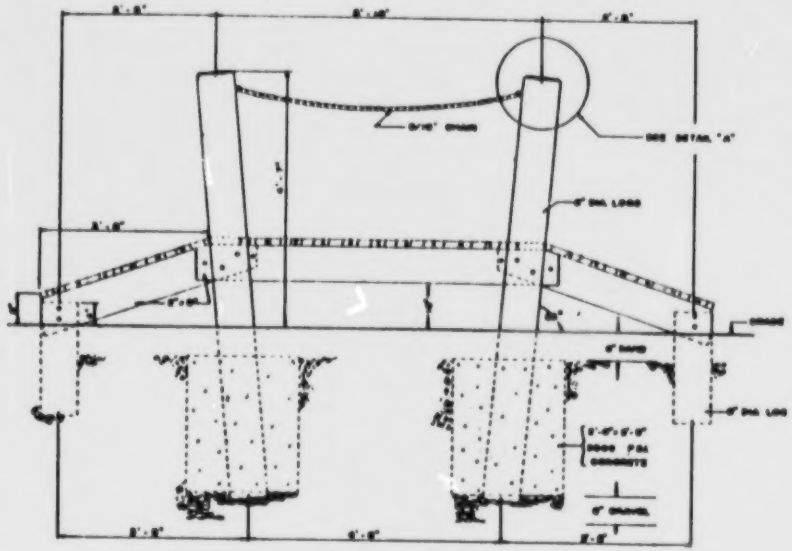
NOTES:
1. ALL LOGS TO BE TREATED & STAINED AS REQUIRED
2. ALL COUNTERBORES TO BE FILLED WITH FIBERGLASS PLUGS
3. ALL STEEL ANGLE IRON TO BE TREATED AGAINST RUST
4. ALL EXPOSED EDGES TO BE CHAMFERED

Revisions CKD

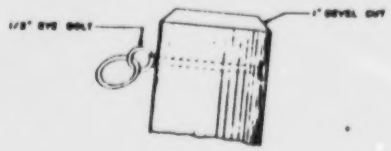
Edmonton Parks and Recreation

LOG CLIMB

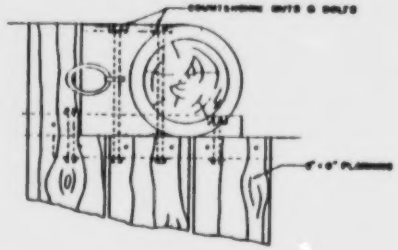
Drawn	Record of Changes	Date	Drawing No.
Design	Director	Scale	SD
Checked	Superintendent	File No.	



SIDE VIEW



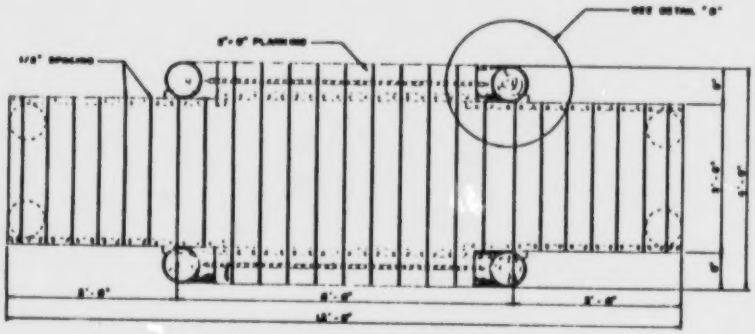
DETAIL "A"



DETAIL "B"

ALL WOOD TO BE PRESERVED & STAINED AS REQUIRED

QUANTITY	DESCRIPTION	SIZE
4	LOGS	8'-0" x 8" DIA.
4	LOGS	8'-0" x 6" DIA.
2	JOISTS	8'-0" x 6"x6"
4	RAMP JOISTS	4'-1" x 6"x6"
10	DECK PLANKS	4'-0" x 2"x6"
14	DECK PLANKS	8'-0" x 2"x6"
4	EYE BOLTS	1/2" x 6" C/W NUTS & WASHERS
8	BOLTS	1/2" x 4" C/W NUTS & WASHERS
8	BOLTS	1/2" x 16" C/W NUTS & WASHERS
8	STAPLES	5/16" x 3" - 6"



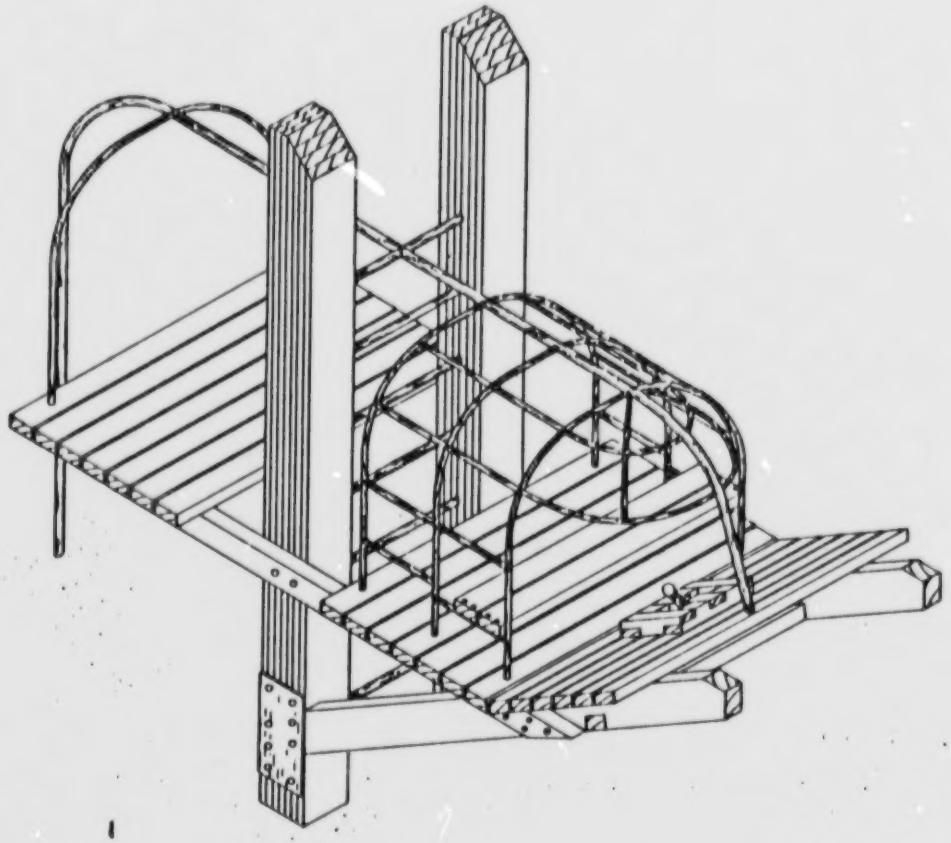
TOP VIEW

Revisions CKD

Edmonton Parks and Recreation

MINI BRIDGE

Drawn: D.R.C.	Head of Design:	Date: JUNE 17/76	Drawing No.: SD 159
Design:	Drawn:	Scale: AS SHOWN	
Checked:	Approved:	File No.	



ISOMETRIC VIEW

MATERIALS LIST

NO	DESCRIPTION	SIZE
8	GLULAM BEAMS	
8	TIMBERS	
8	DECKING SUPPORTS	
1	GEAR SHAFT SUPPORT PLANK	
88	DECKING PLANKS	
8	METAL FASTENING PLATES	
8	BENCH PLANKS	
4	GEAR DISK	
1	CHROME BALL	
1	THREADED RODS ONLY	
1	GEAR SHAFT ATTACHMENT 6" PIPE 1¼" PIPE	
	THREADED CARRIAGE BOLTS	
64	CARR TO DECKING BOLTS	
16	DECK SUPPORTS TO TIMBER BOLTS	
16	GLULAM TO PLATE BOLTS	
8	GEAR DISC CONNECTION BOLTS	
8	BENCH BOLTS	
	THREADED ENDLESS BOLTS	
4	GLULAM TO DECK SUPPORTS	
	ALL THE ABOVE C/W NUTS & WASHERS	

NOTES ALL WOOD TO BE STAINED & PRESERVED AS REQ'D

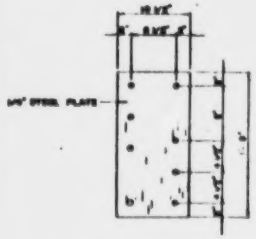
Revisions CKD

Edmonton Parks and Recreation

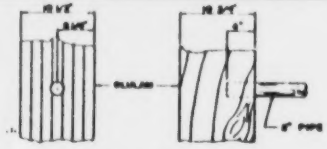
ASTRO CRUISER

Drawn	Head of Design
Design	Director
Checked	Superintendent

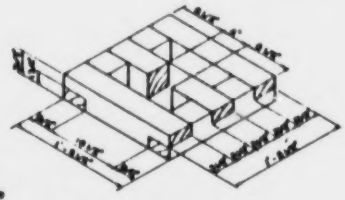
Date	Drawing No.
Scale	SD 154
File No.	



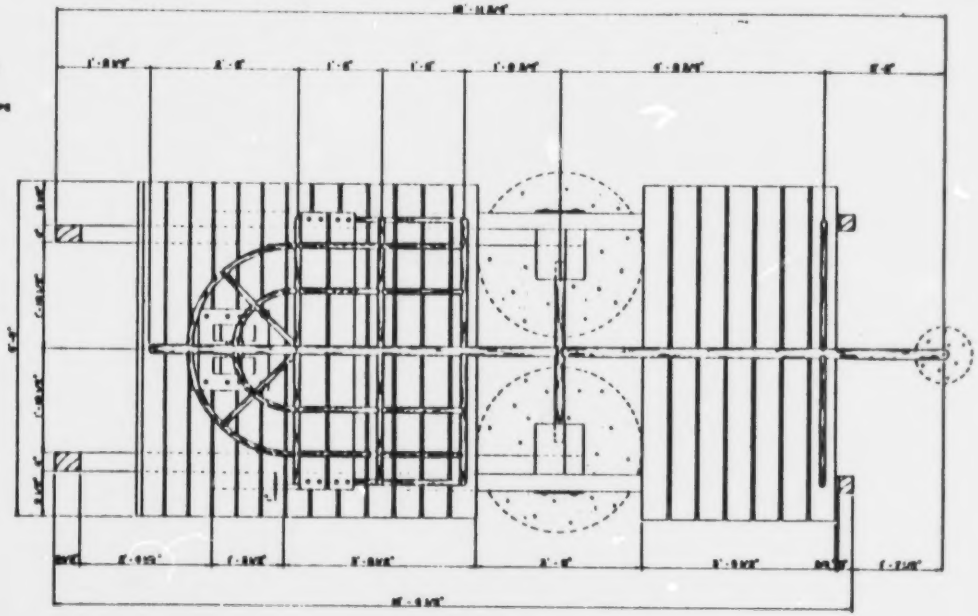
FASTENING PLATE



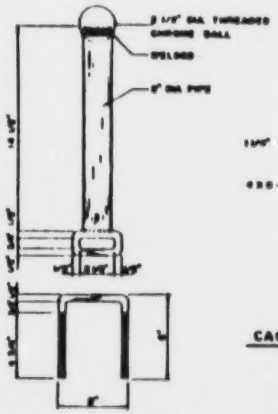
DETAIL 'A'



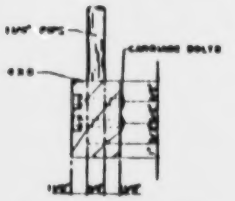
GEAR BOX DETAIL



PLAN VIEW

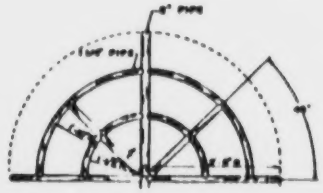


GEAR SHIFT CONNECTION DETAIL

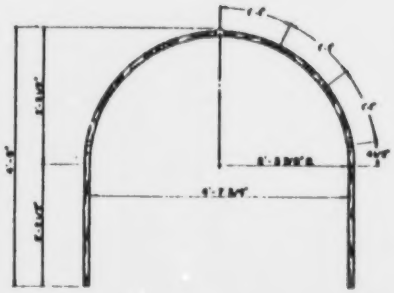


CAGE ANCHORING DETAIL

TYPICAL COUNTERSUNK BOLT DETAIL
@ GEAR SHIFT CONNECTION



FRONT & TOP CAGE VIEW



CAGE X-SECTION

Revisions CKD

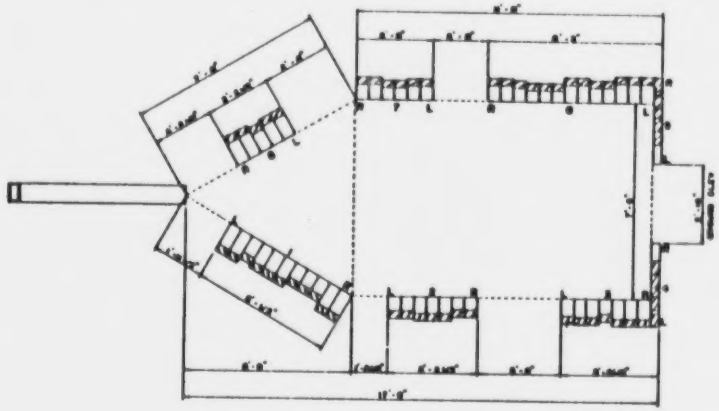
Edmonton Parks and Recreation

ASTRO CRUISER

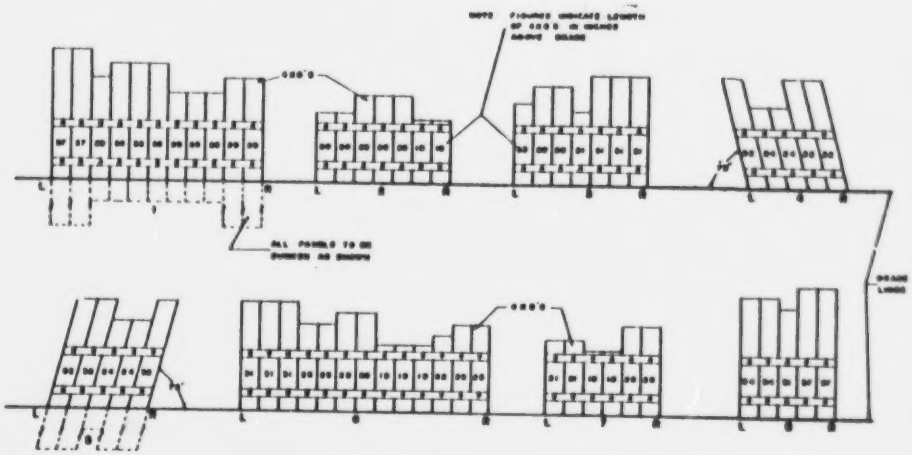
Drawn	Head of Design
Design	Director
Checked	

Date	Drawing No.
JULY 8/79	SD
Scale	188
File No.	

FRONT VIEW
SIDE VIEW
Edmonton Parks and Recreation
ASTRO CRUISER
Revisions
Drawing No.
50
156

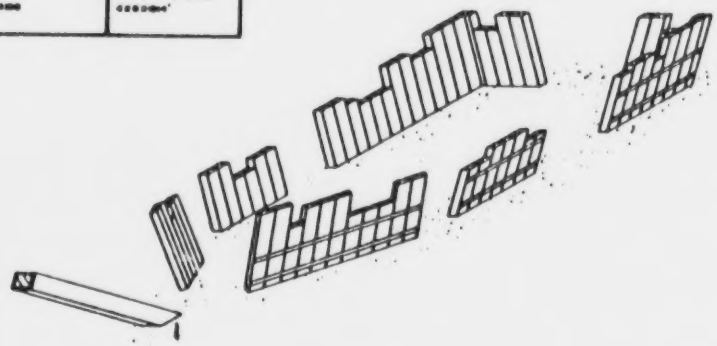


TOP VIEW

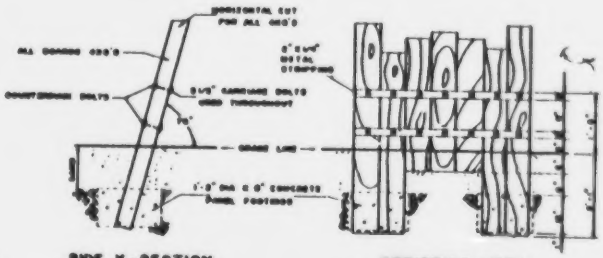


SIDE VIEWS

MATERIALS LIST		
NO	DESCRIPTION	SIZE

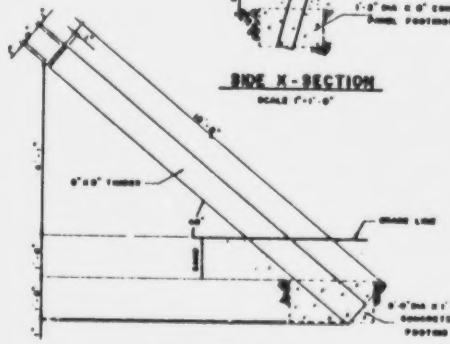


ISOMETRIC VIEW



SIDE X-SECTION

STRIPPING DETAIL



BOW DETAIL

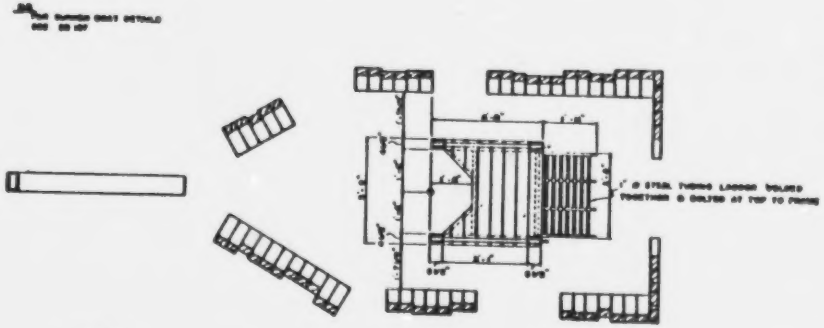
Revisions CKD

Edmonton Parks and Recreation

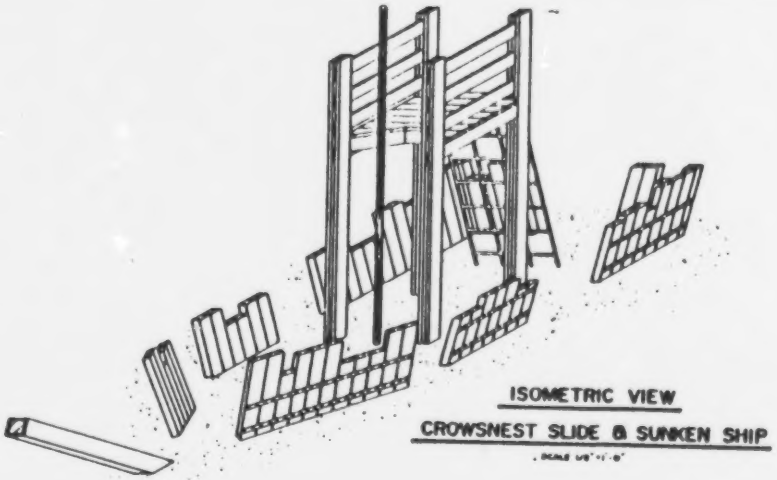
SUNKEN SHIP

Drawn	Head of Design
Design	Director
Checked	Superintendent

Date	Drawing No.
	SD 137

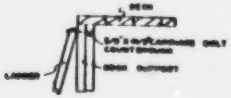


PLAN VIEW

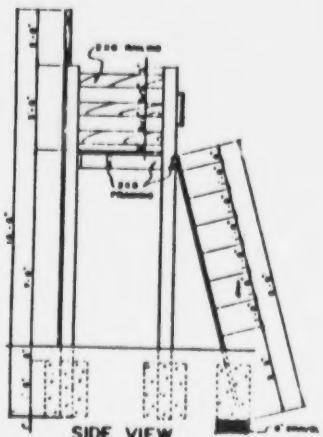


ISOMETRIC VIEW

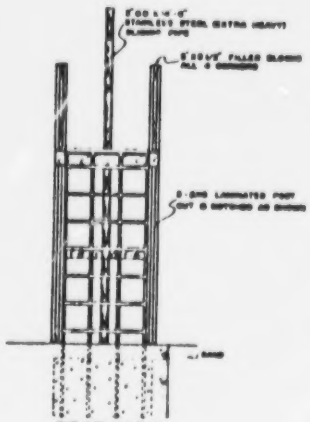
CROWSNEST SLIDE & SUNKEN SHIP



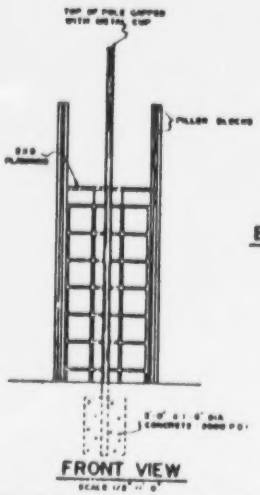
IRON LADDER TO DECK CONNECTION



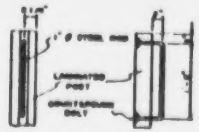
SIDE VIEW



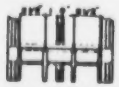
REAR VIEW



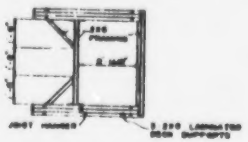
FRONT VIEW



HANDRAIL DETAIL



BOLT SPACING-LADDER TO DECK



DECK SUPPORT

LIST OF MATERIALS

NO	DESCRIPTION	SIZE
4	LAMINATED POSTS (3 - 0003 AS PER DETAIL 3)	6 1/4" X 6 1/4" X 14'-0"
1400'	STEEL TUBING FOR LADDER	1" DIA
240	PLANKING, SUPPORTS & RAILS	2X6 S
1	STAINLESS STEEL PIPE & CAPS	6" DIA. X 14'-0"
8	JOIST HANGERS	
4	CARRIAGE BOLTS C/W NUTS & WASHERS	5/8" DIA.
2	HANDRAIL	1" DIA. STEEL
8	LAMINATED BEAMS - DECK SUPPORTS AS PER DETAIL 13-0003	6 1/4" X 6 1/4" X 5'-10"
6	FILLER BLOCKS	2X6"S

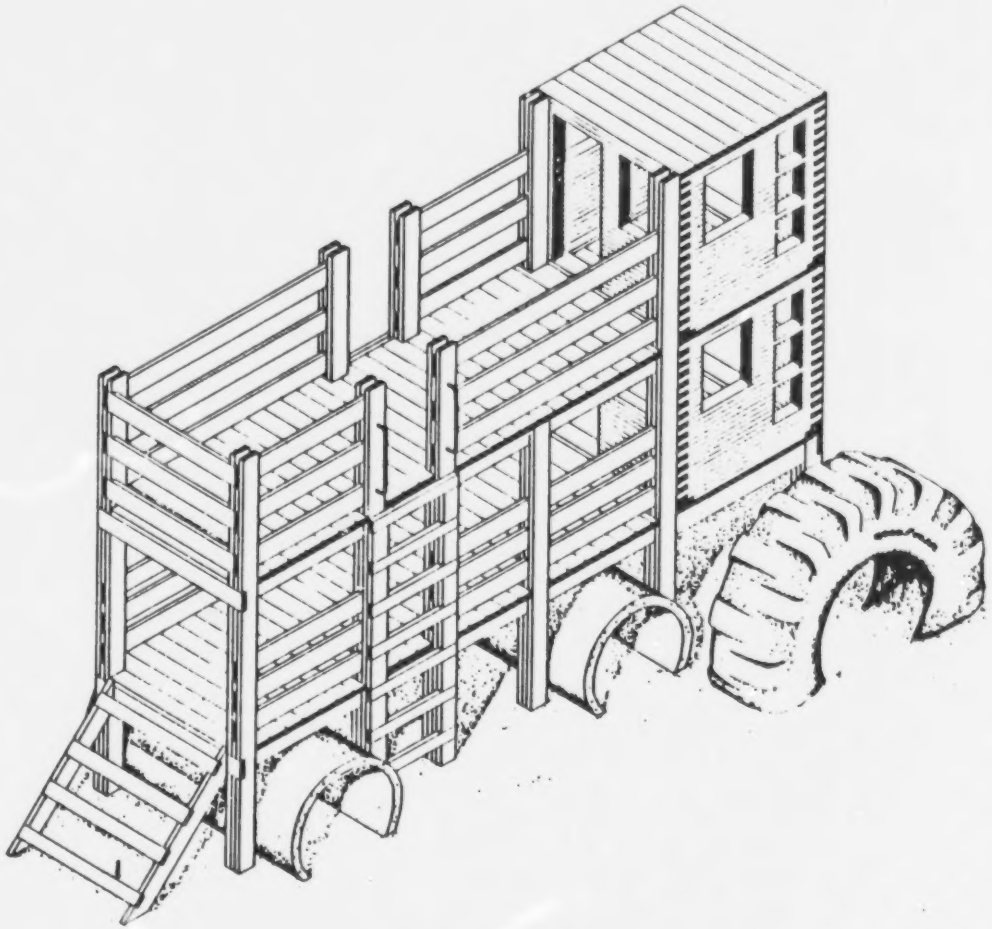
Revisions CKD

Edmonton Parks and Recreation

CROWSNEST SLIDE & SUNKEN SHIP

Drawn DRC	Head of Design
Design GJ	Director
Checked	Superintendent

Date	Drawing No. SD-158
Scale	
File No.	

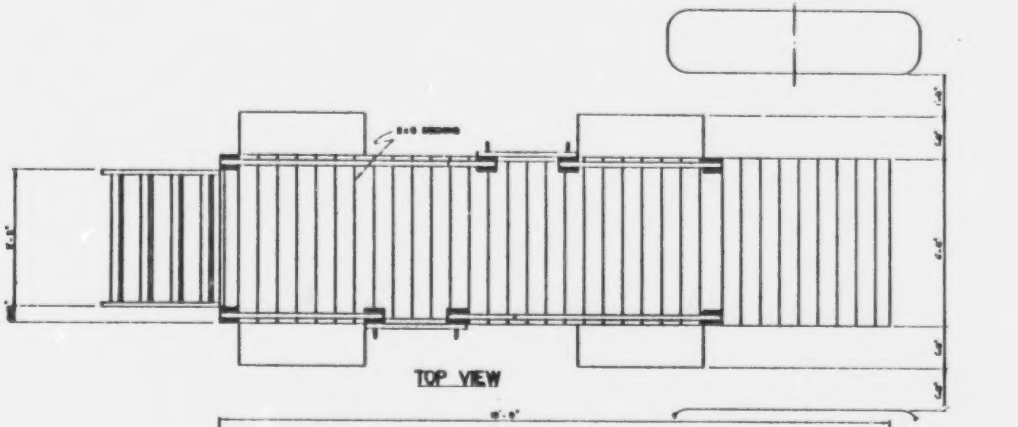


Revisions CKD

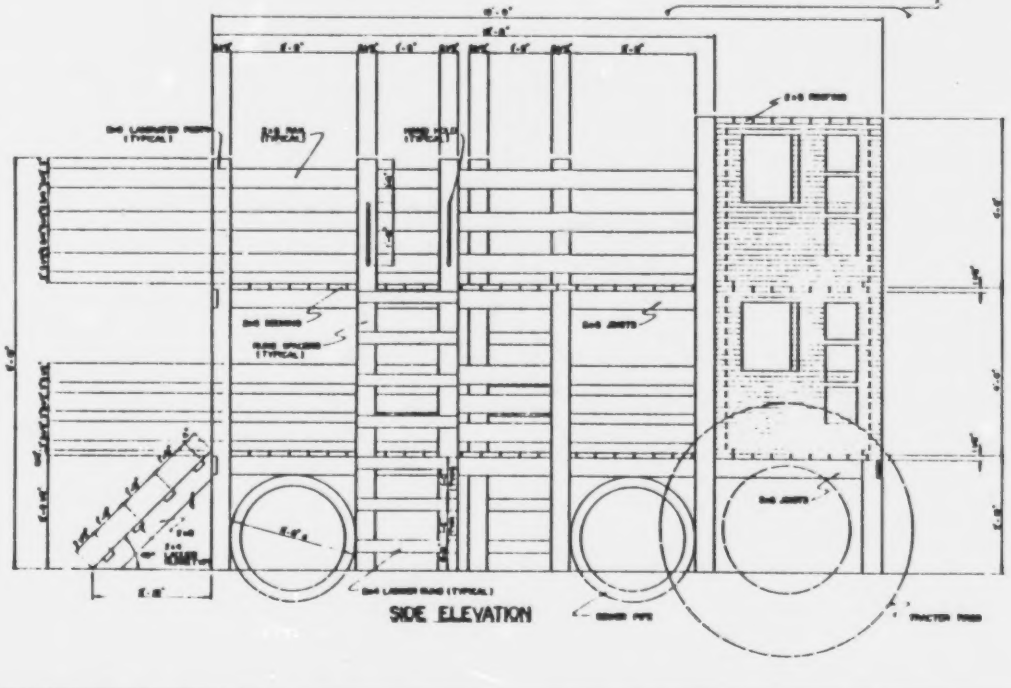
Edmonton Parks and Recreation

TRACTOR - TRAIN

Drawn	Head of Design	Date	Drawing No. SD
Design	Director	Scale	
Checked	Superintendent	File No.	



TOP VIEW



SIDE ELEVATION

MATERIAL LIST

QTY	DESCRIPTION		
6	1"ø STEEL HAND HOLD c/w NUTS, WASHERS		
2	LARGE TRACTOR TIRES		
2	2'-6" O.D. SEWER PIPES (min 2'-0" O.D.)		
6	10'-0" LG. LAMINATED POSTS	(6 x 6"s)	
2	9'-2 1/2" LG.	"	"
2	12'-0" LG.	"	"
2	9'-2 1/2" LG.	"	"
2	16'-10 1/2" LG.	JOIST	"
2	11'-10 1/2" LG.	"	"
3	3'-9 1/2" LG.	RAILING	"
9	3'-0" LG.	"	"
3	6'-9 1/2" LG.	"	"
9	6'-1" LG.	"	"
3	3'-9" LG.	"	"
66	4'-0" LG.	PLANKS	"
20	17'-9 1/2" LG.	RUNG SPACERS	"
14	3'-5" LG.	LADDER RUNGS	(2x4"s)
4	3'-3" LG.	"	"
20	4'-0" LG.	ROOFING	(2x6"s)
2	6'-0" LG.	"	(2x4"s)
4	3'-1" LG.	"	(2x6"s)

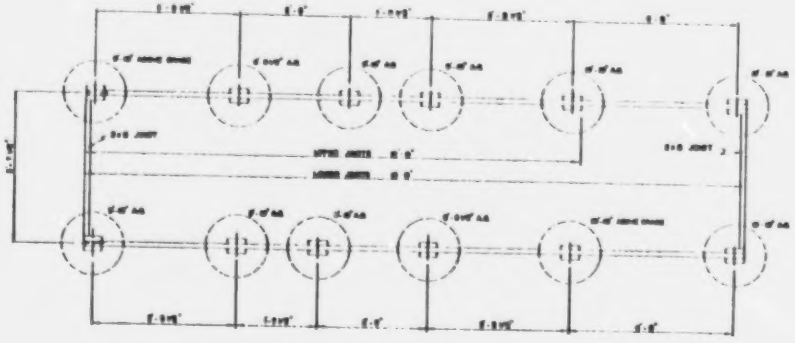
1695 LIN FT OF 2x4's FOR CLOSES

Revisions CKD

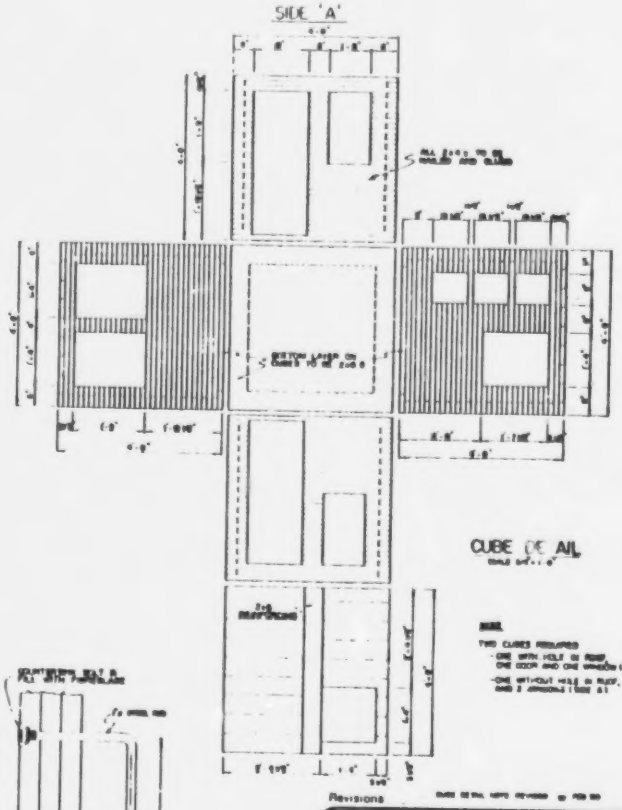
Edmonton Parks and Recreation

TRACTOR-TRAIN

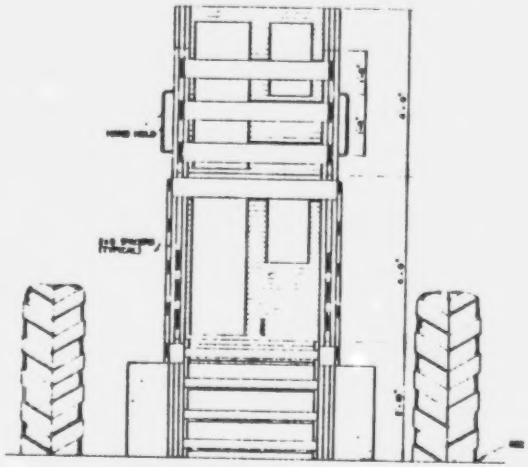
Drawn	Head of Design	Units	Drawing No.
Design	Director	Scale	SD
Checked	Superintendent	File No.	



POST AND JOIST DETAIL

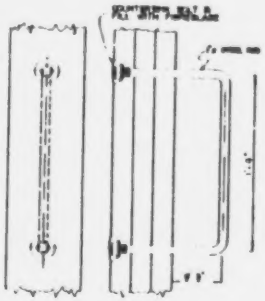


CUBE DETAIL



FRONT ELEVATION

FOOTING DETAIL



HAND HOLD DETAIL

Revisions

CAD

Edmonton Parks and Recreation

TRACTOR-TRAIN

Drawn

Design

Checked

Head of Design

Director

Superintendent

Date

Scale

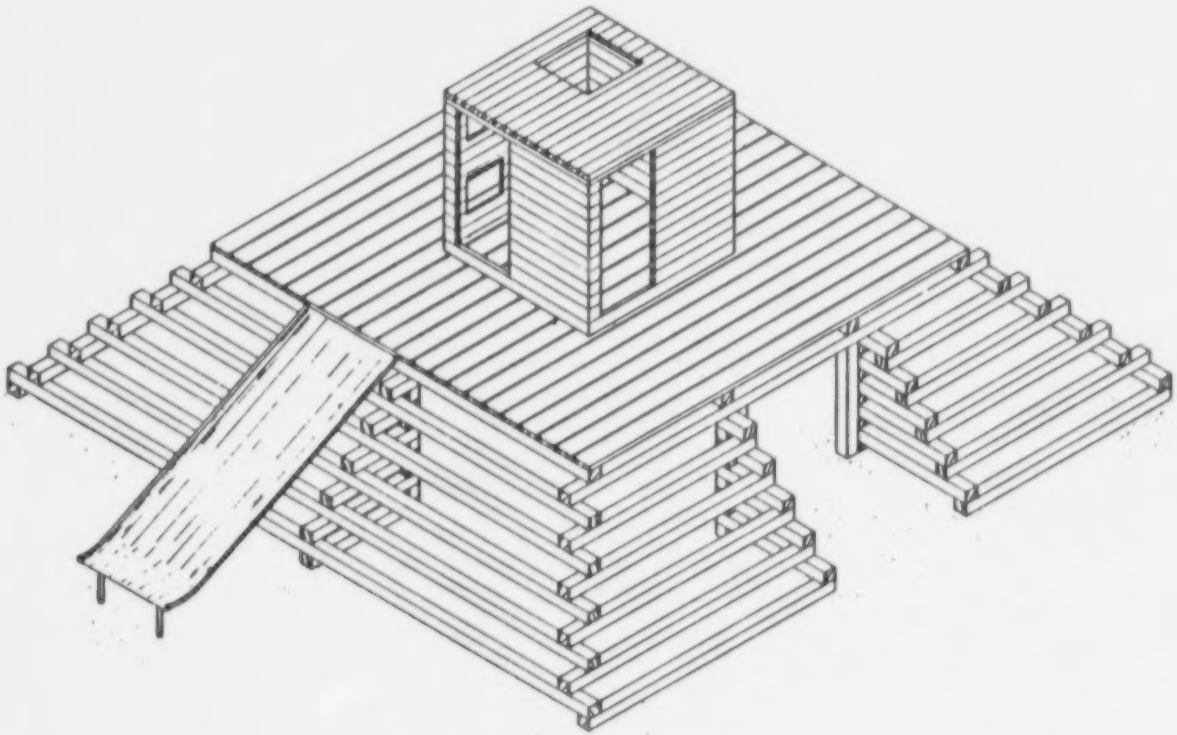
File No.

Drawing No.

SD

MATERIALS LIST

NO	DESCRIPTION	SIZE
400	[illegible] SPRUCE	[illegible]
11	[illegible] BOLTS	[illegible]
170	BOLTS - G/D NUTS & [illegible]	[illegible]
104	BOLTS - G/D NUTS & [illegible]	[illegible]
01	DECK FLASHING [illegible]	[illegible]
1	SHS CITY CUBE GD [illegible]	[illegible]
1	[illegible] SLIDE SSD	



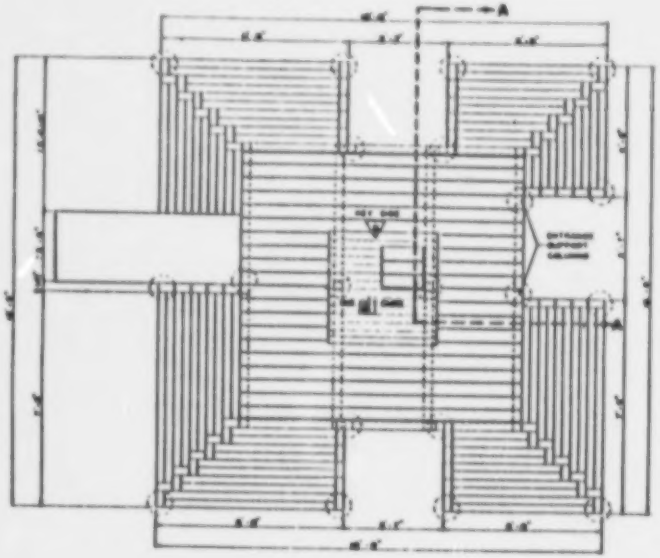
Revisions CKD

Edmonton Parks and Recreation

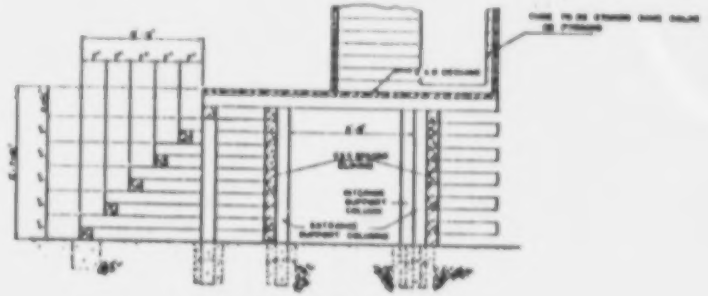
WOOD PYRAMID

Drawn	Head of Design
D R C	
Design	Director
Checked	Superintendent

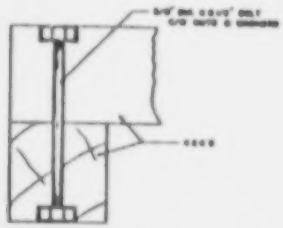
Date	Drawing No.
AUG 09/77	SD 162
Scale	
File No.	



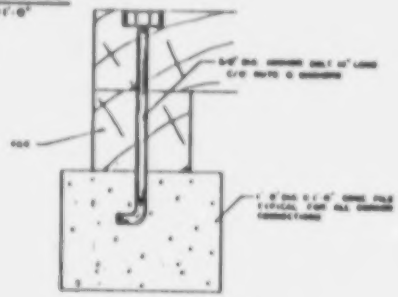
TOP VIEW



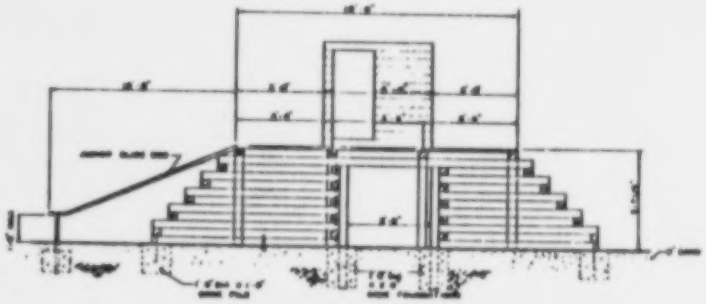
X-SECTION A



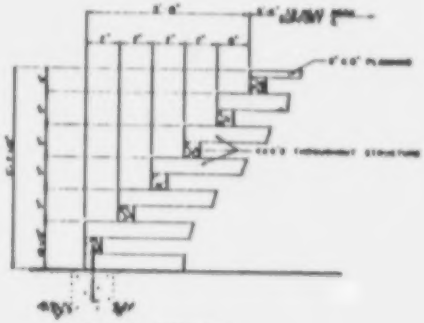
CONNECTION DETAIL



ANCHORING DETAIL



SIDE VIEW



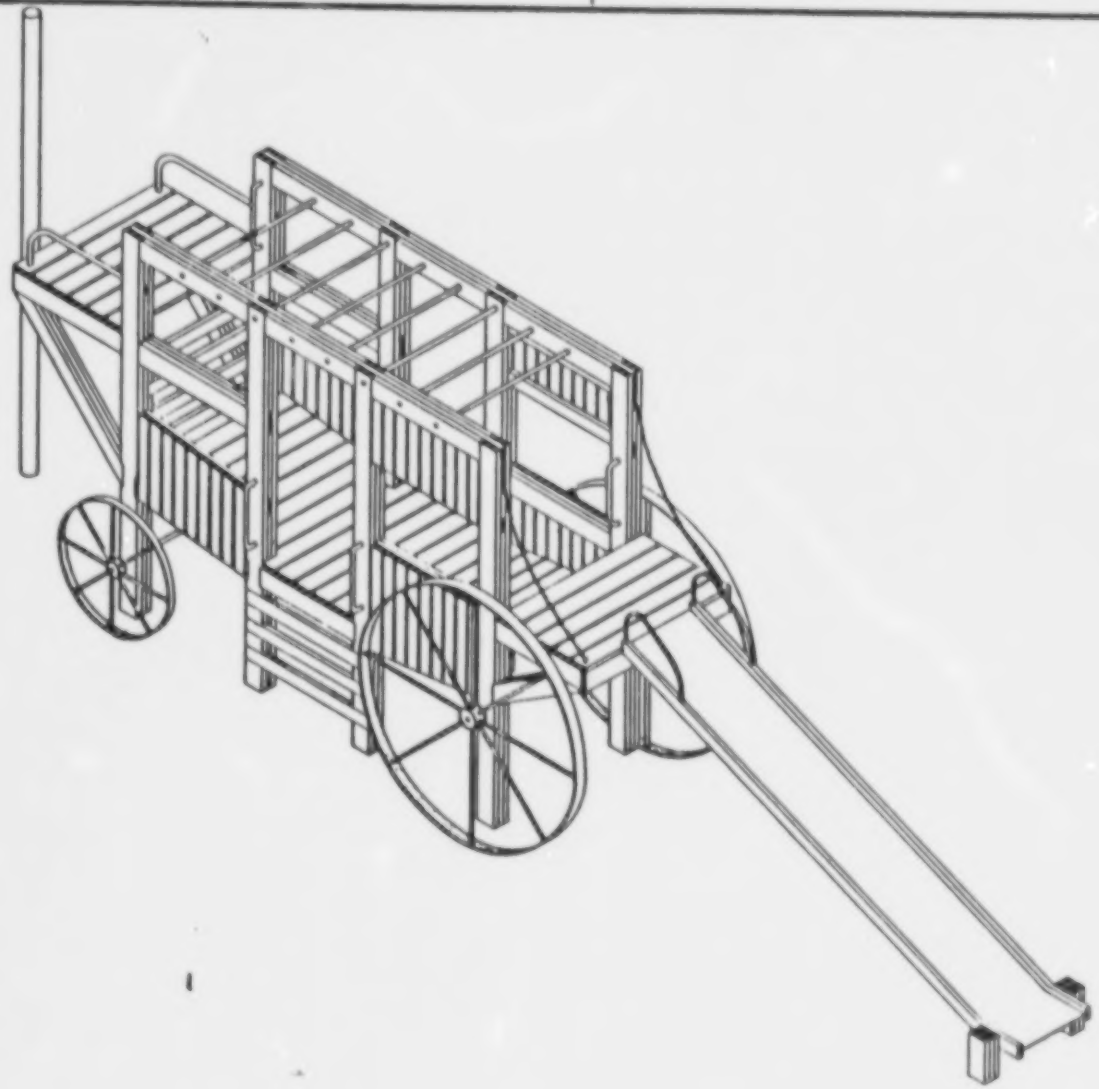
CORNER DETAIL

Revisions | CKD

Edmonton Parks and Recreation

WOOD PYRAMID

Drawn: D.R.C.	Head of Unit:	Date: AUG 25/17	Drawing No.: SD 162A
Design:	Director:	Scale: AS SHOWN	
Checked:	Superintendent:	File No.	



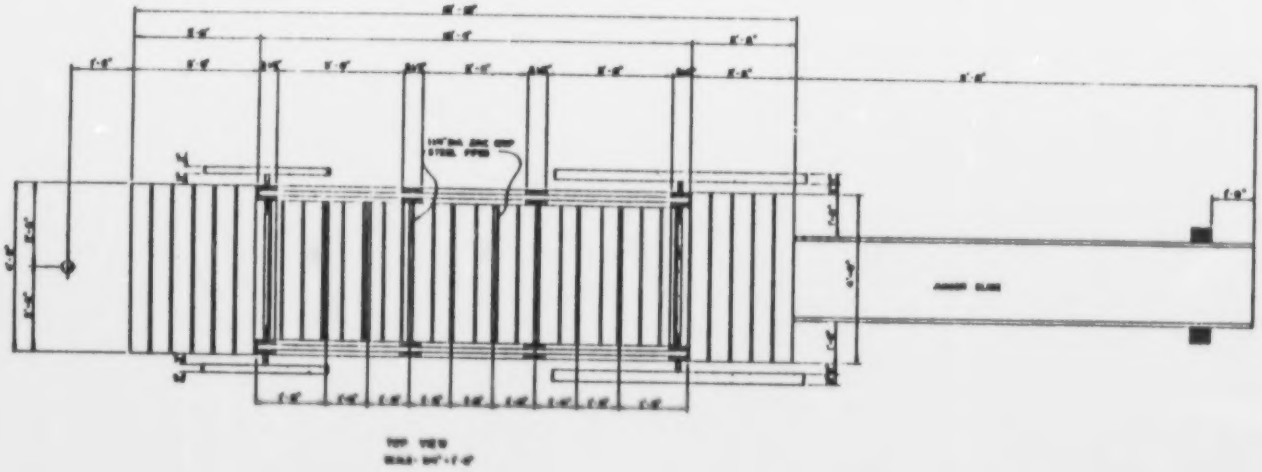
Revisions CKD

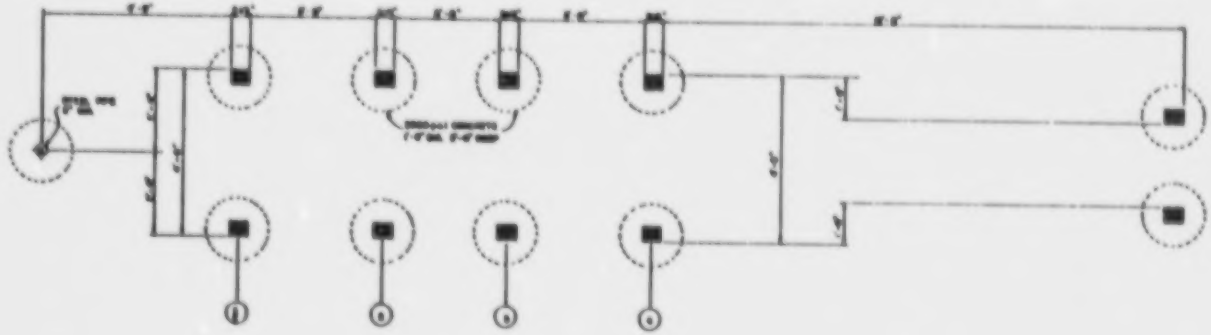
Edmonton Parks and Recreation

STAGE COACH

Drawn	Head of Design
Design	
Checked	

Date	Drawing No.
Scale	SD
File No.	

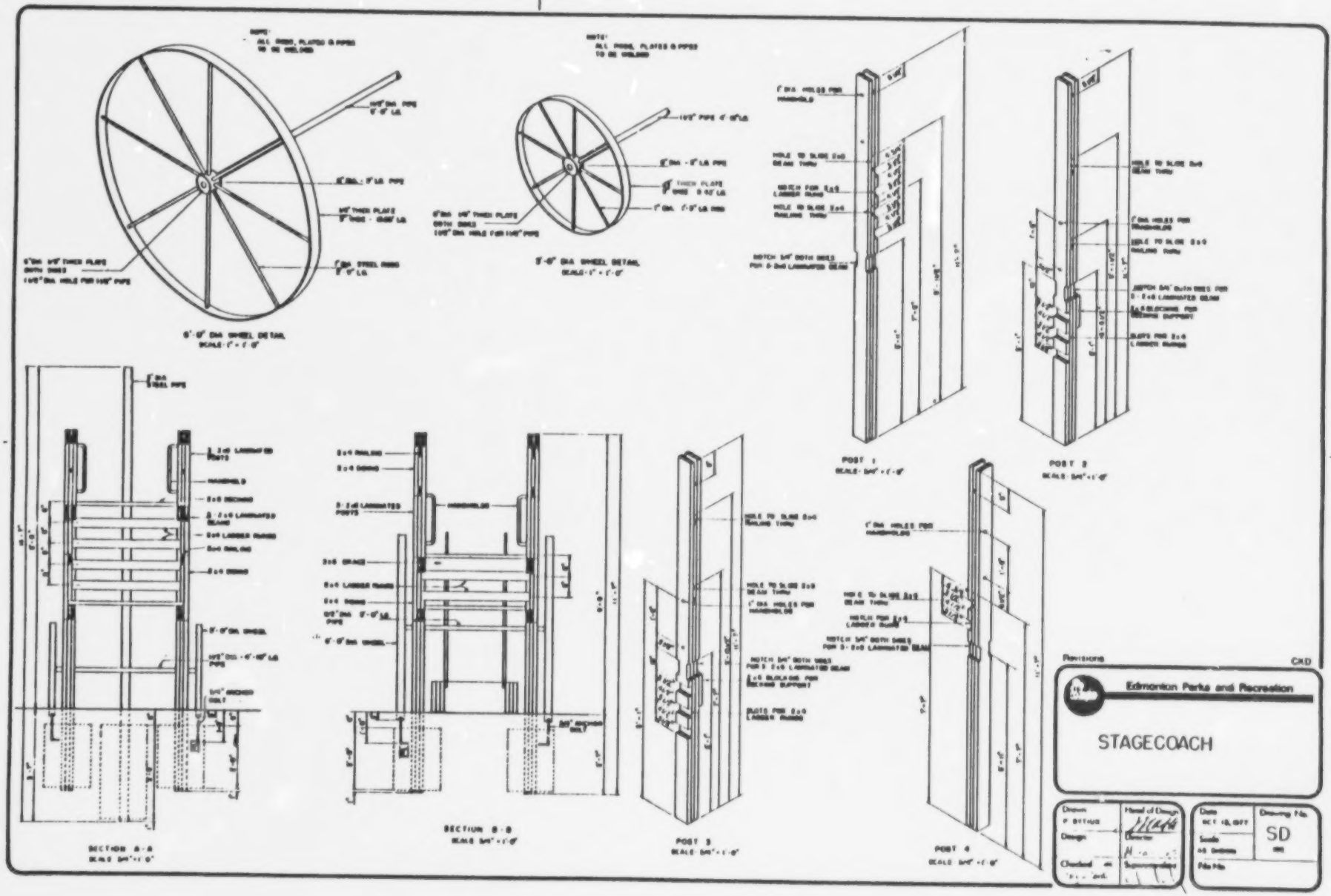


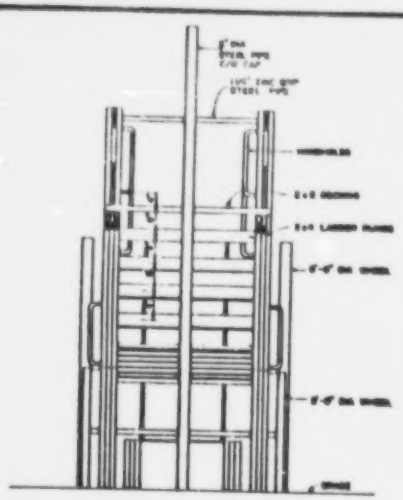


Edmonton Parks and Recreation

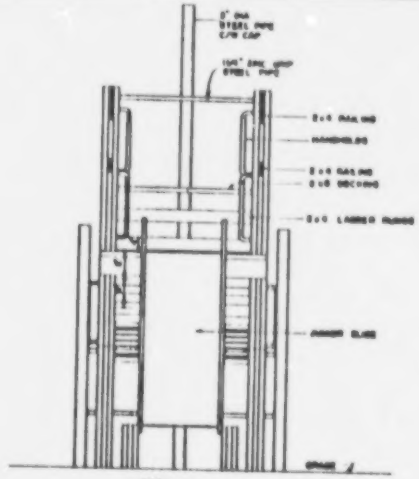
STAGECOACH

SD

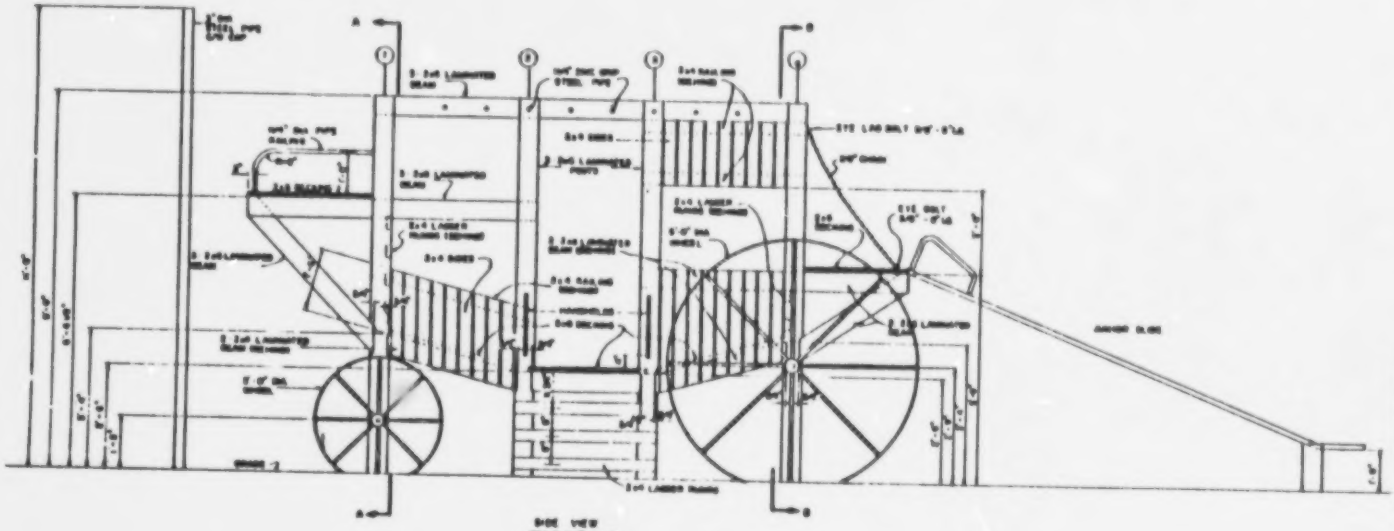

6'-0" DIA WHEEL DETAIL
6'-0" DIA WHEEL DETAIL
POST 1
POST 2
SECTION A-A
SECTION B-B
POST 3
POST 4
Revisions
CAD
Edmonton Parks and Recreation
STAGECOACH
Drawn
Design
Checked
Head of Design
Date
Drawing No.
SD



FRONT VIEW
SCALE: 3/4" = 1'-0"



BACK VIEW
SCALE: 3/4" = 1'-0"



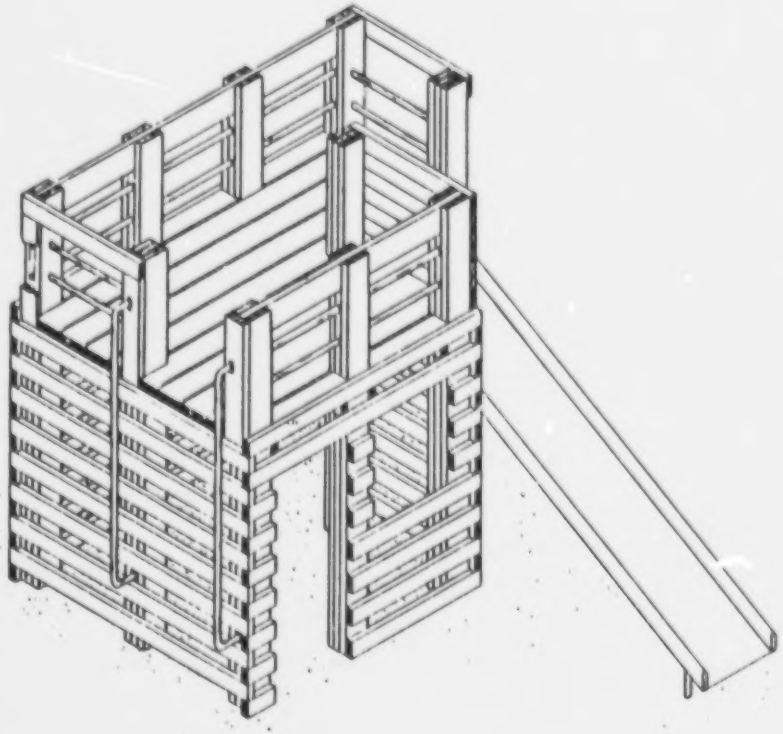
SIDE VIEW
SCALE: 3/4" = 1'-0"

Revisions CKD

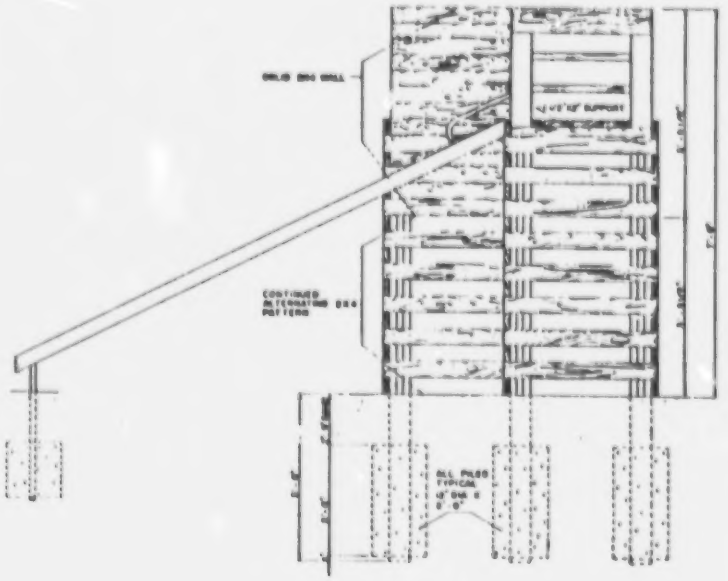
Edmonton Parks and Recreation

STAGECOACH

Drawn	Head of Design	Date	Drawing No.
Design	Checked	Scale	SD
		File No.	



PLAYHOUSE ISOMETRIC



RIGHT SIDE ELEVATION

HANDRAIL DETAIL

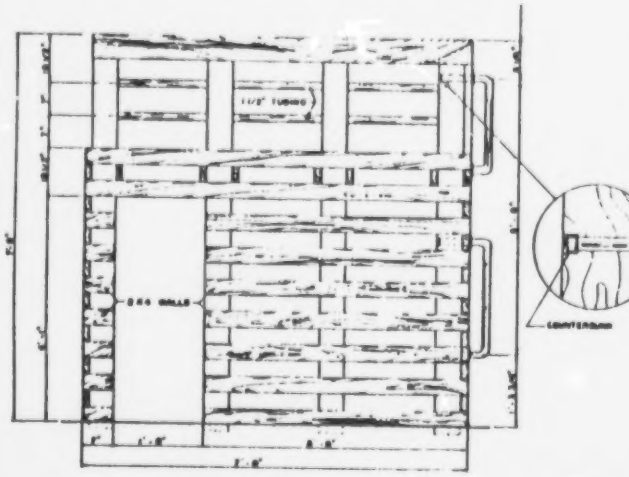
Revisions CKD

Edmonton Parks and Recreation

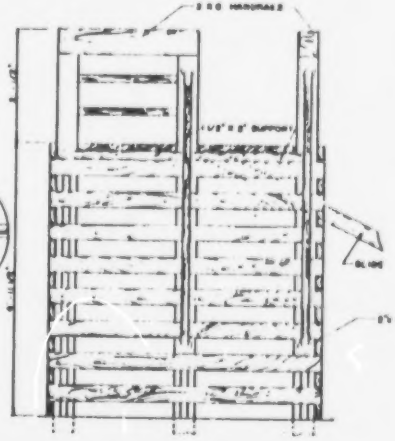
PLAYHOUSE

Drawn	Head of Design
Design	Drawing
Checked	Superintendent

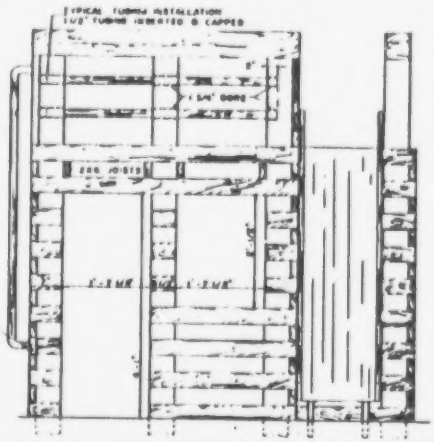
Date	Drawing No.
Scale	SD 168
File No.	



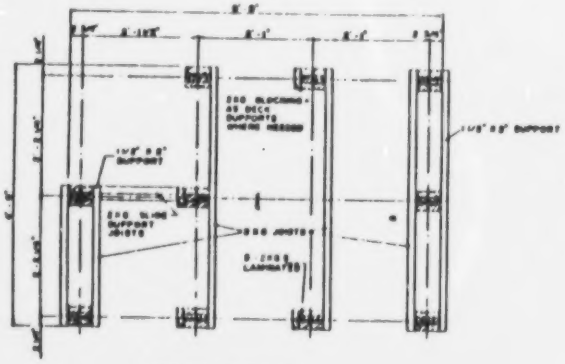
REAR ELEVATION



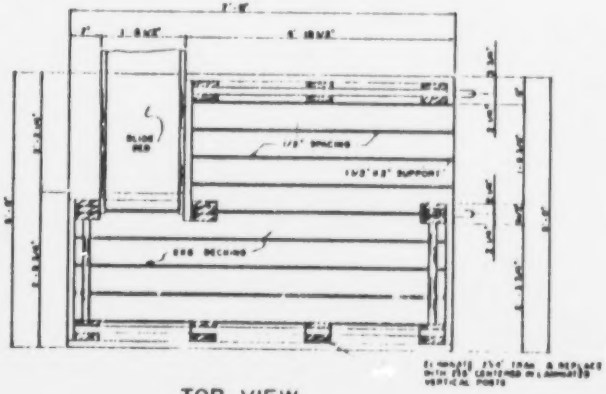
LEFT SIDE ELEVATION



FRONT ELEVATION



POST DETAIL



TOP VIEW

MATERIALS LIST

NO.	DESCRIPTION	SIZE
/00 LIN FT	WALLS	2 X 6 S
68 LIN FT	DECK, JOISTS & HANDRAILS	2 X 6 S
10	3 - 2 X 6 S LAMINATED	10'-0" LONG
44 LIN FT	ZINC GRIP TUBING	1 1/2" DIA
1	JUNIOR SLIDE BED	
8 LIN FT	DECK SUPPORT STRIPS	1 1/2" X 2"

HANDRAIL REVISED ... OF DEC '78
HANDRAIL REVISED ... OF MAY '79
Revisions CKD

Edmonton Parks and Recreation

PLAYHOUSE

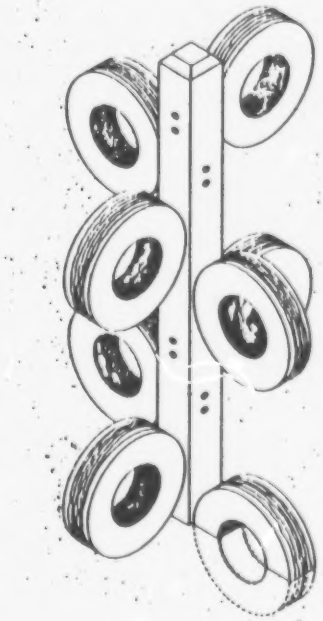
Drawn	Head of Design
D.R.C.	
Design	Project Supervision
Checked	

Date	Drawing No.
MARCH 1978	SD 169
Scale 1" = 1'-0"	
File No.	

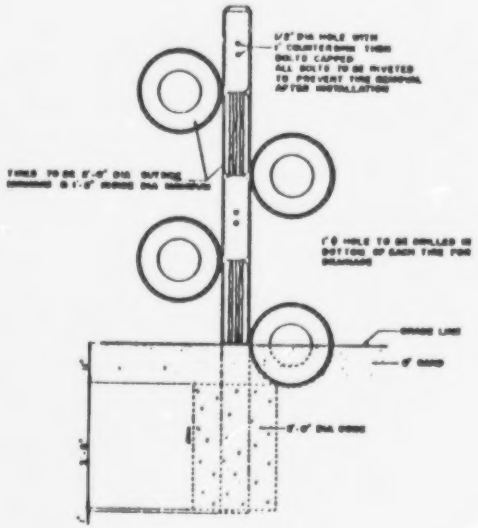
LIST OF MATERIALS

NO	DESCRIPTION	SIZE
1	POST	8" x 8" x 16'-0" LONG
8	TIRES	14" DIA RIM SIZE
16	BOLTS	1/2" DIA x 8 1/4" LONG C/W WASHERS & NUTS
8	STEEL PLATES	8" x 7" x 1/4" THICK

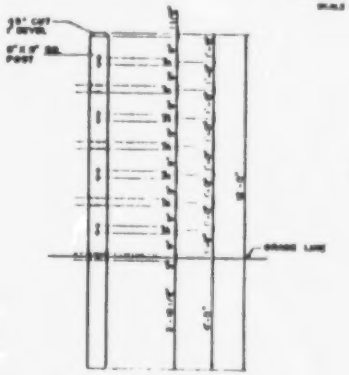
TOP VIEW



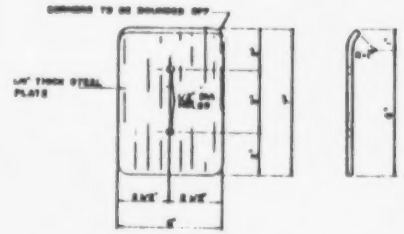
ISOMETRIC



SIDE VIEW



POST DETAIL



TIRE PLATE DETAIL

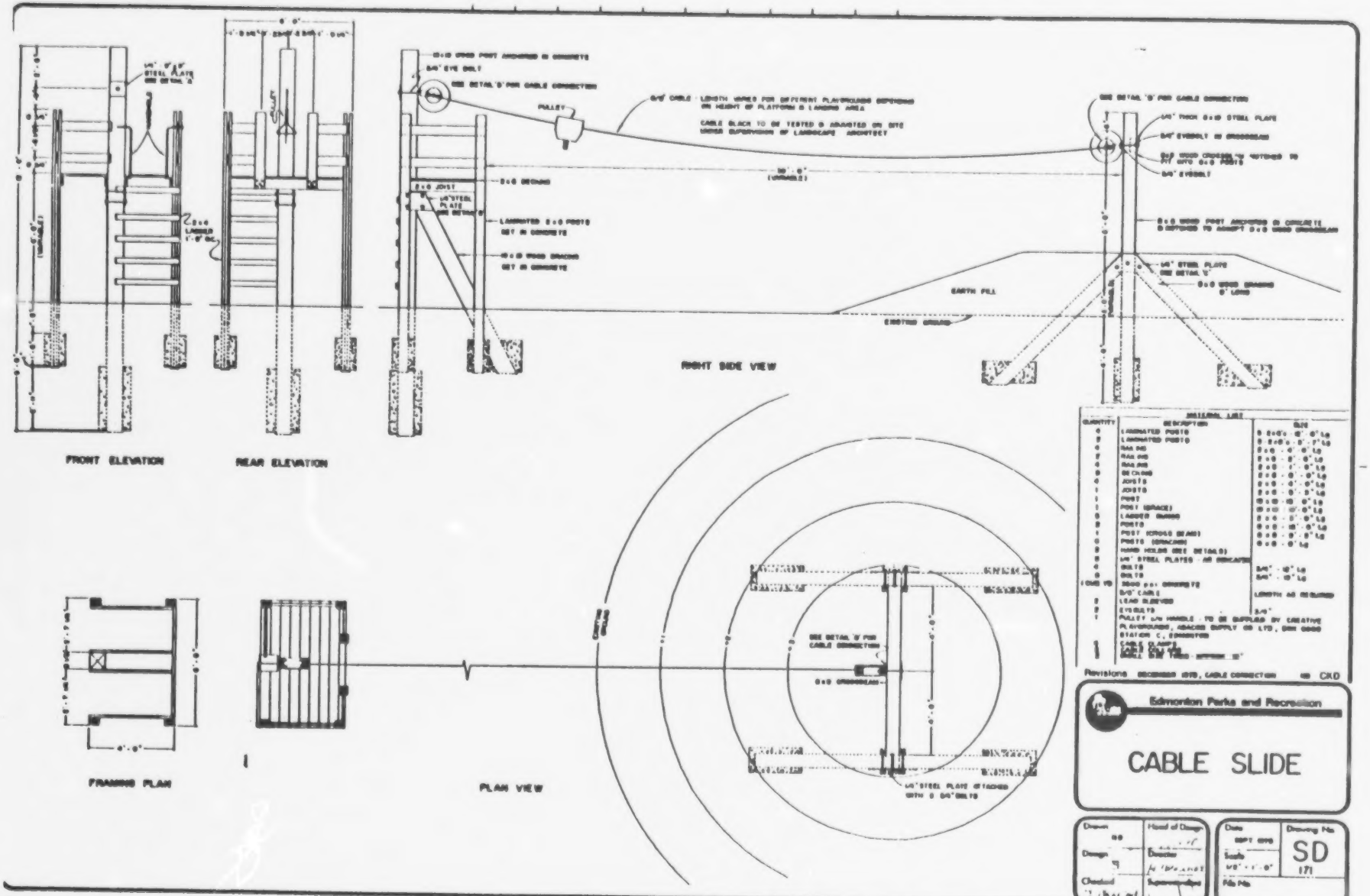
Penstone CKD

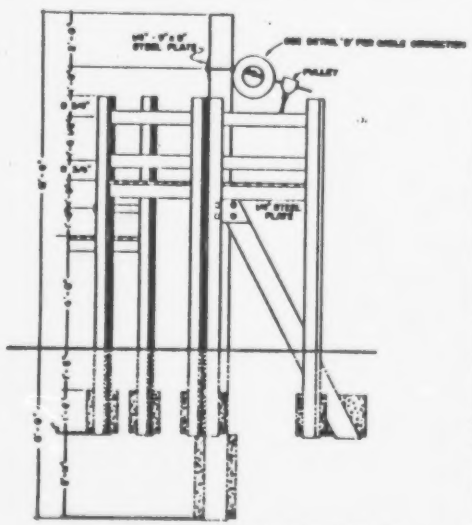
Edmonton Parks and Recreation

SPIRAL TIRE COLUMN

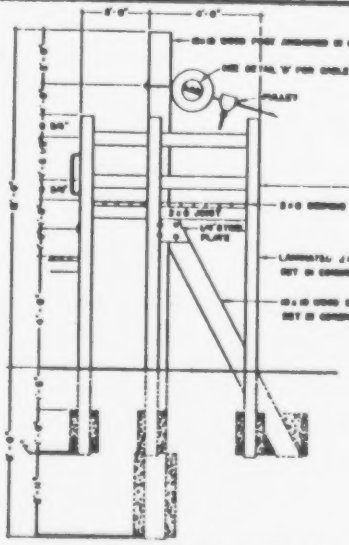
Drawn	Head of Design
Design	Director
Checked	Superintendent

Date	Drawing No.
Scale	SD 170
File No.	


FRONT ELEVATION
REAR ELEVATION
RIGHT SIDE VIEW
FRAMING PLAN
PLAN VIEW
Edmonton Parks and Recreation
CABLE SLIDE
Drawn
Design
Checked
Head of Design
Director
Superintendent
Date
Drawing No
SD
171
Scale



ELEVATION (ALTERNATIVE 'A')



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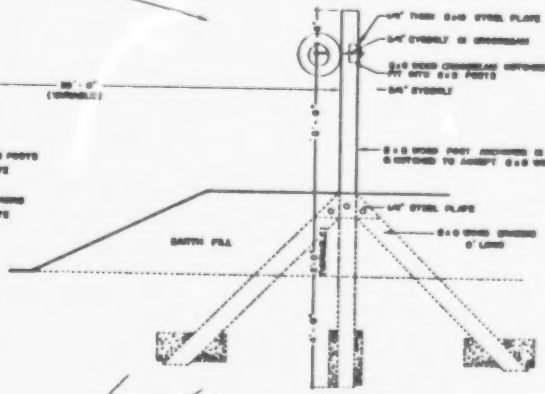
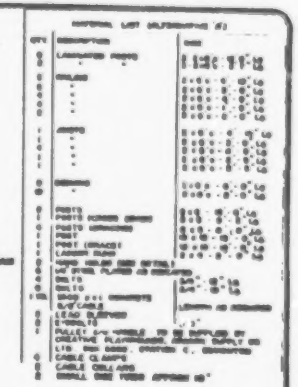
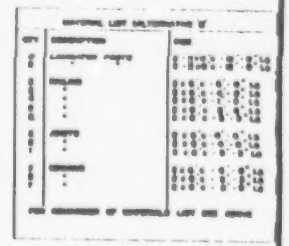
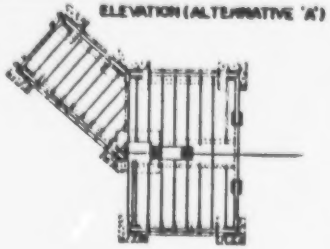


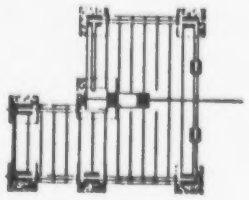
ELEVATION



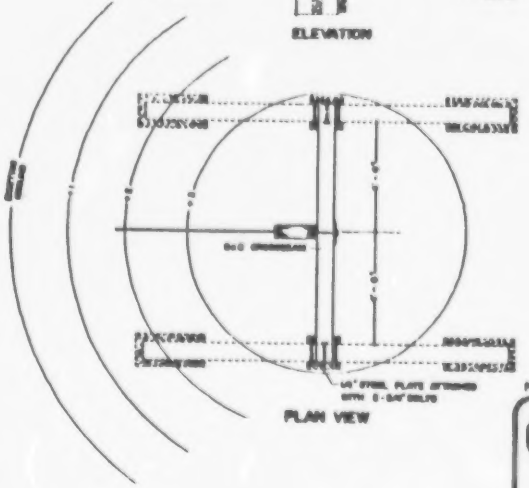




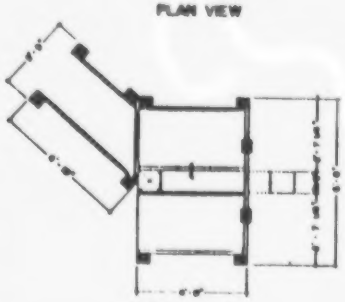
PLAN VIEW



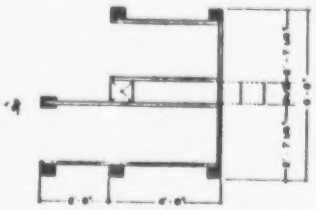
PLAN VIEW



PLAN VIEW



FRAMING PLAN



FRAMING PLAN

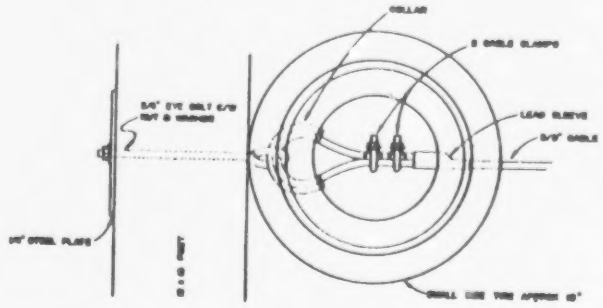
Revisions inc. GRD - CABLE CONNECTION DETAIL inc. GRD

Edmonton Parks and Recreation

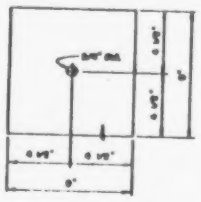
CABLE SLIDE WITH MULTI DECK CONNECTION

Drawn:	Head of Design:
Design:	Director:
Checked:	Superintendent:

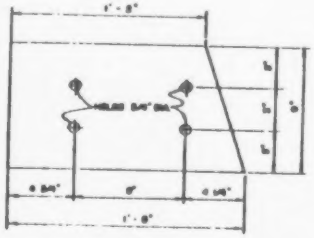
Date:	Drawing No.: SD 172
Scale:	
File No.:	



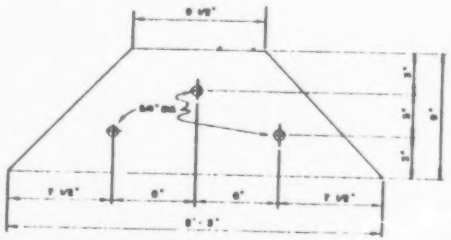
DETAIL D
SCALE 1/2" = 1'



DETAIL A
SCALE 1/2" = 1'



DETAIL B
SCALE 1/2" = 1'



DETAIL C
SCALE 1/2" = 1'

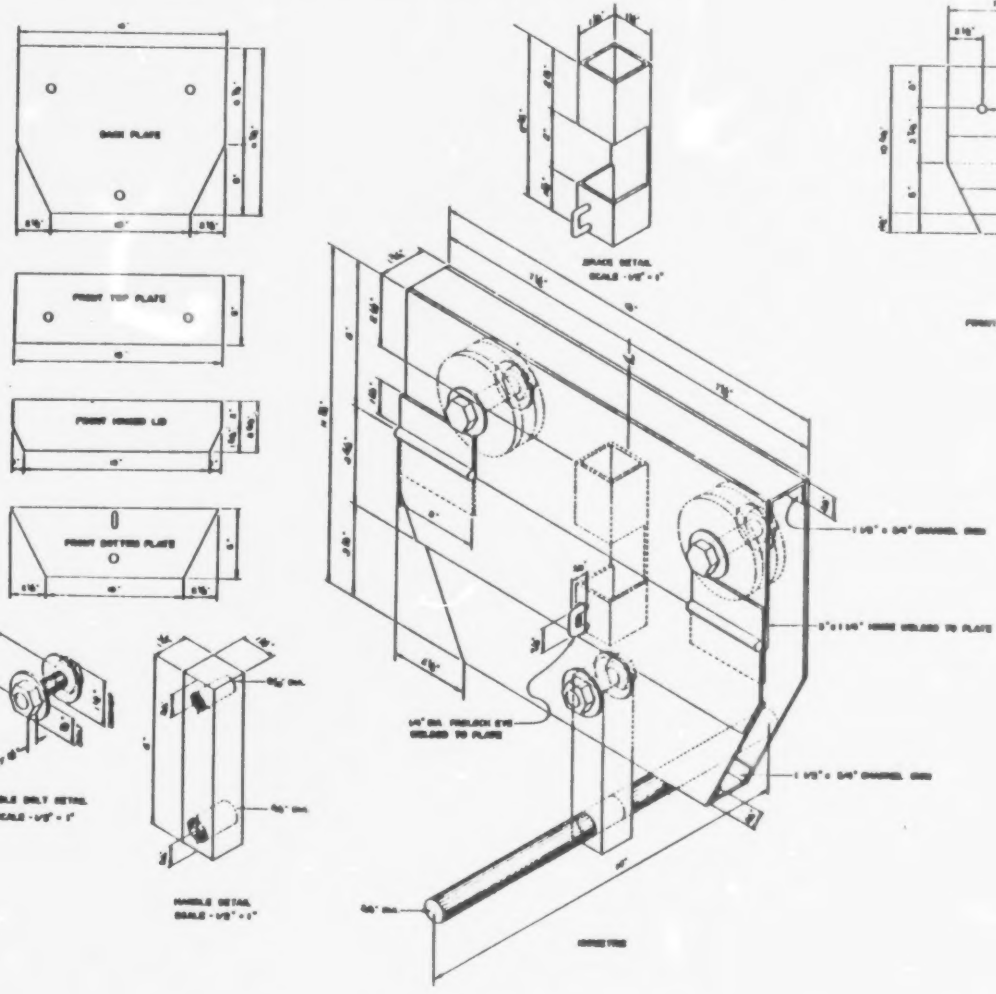
Revisions CKD

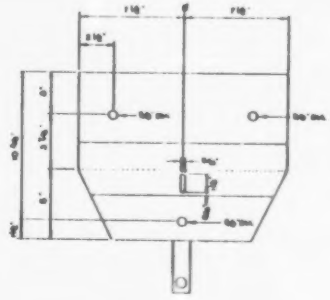
Edmonton Parks and Recreation

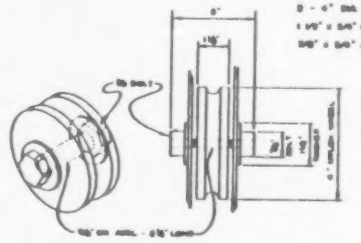
CABLE SLIDE

DETAILS

Drawn GD	Head of Design	Date DEC 1979	Drawing No. SD 173
Design	Director	Scale AS SHOWN	
Checked	Superintendent	File No.	







Revisions

CAD

Edmonton Parks and Recreation

CABLE SLIDE PULLEY

Drawn	Head of Design	Date	Drawing No.
Design	Director	Scale	SD 174
Checked		File No.	

PLAYGROUND COMPONENT SYSTEM

Edmonton Parks and Recreation drawings SD500 to 505 illustrate how a playground can be developed in phases (a three-phase example is shown). The play equipment component system is designed to allow additions as the playground expands at each subsequent phase. The layout of the sand and sitting areas can also be modified without damage to existing work.

STAGE 1

SITE PREPARATION

- Playground Excavation
- Concrete Walk Construction
- Playground Curb Installation
- Berm Construction
- Drainage System Installation
- Topsoil Grading
- Seeding or Sodding
- Security Light Installation

STAGE 2

CONSTRUCTION

- Play Equipment Installation
- Sand Installation
- Bicycle Stand Installation
- Bench Installation
- Litter Container Installation
- Park Sign Installation

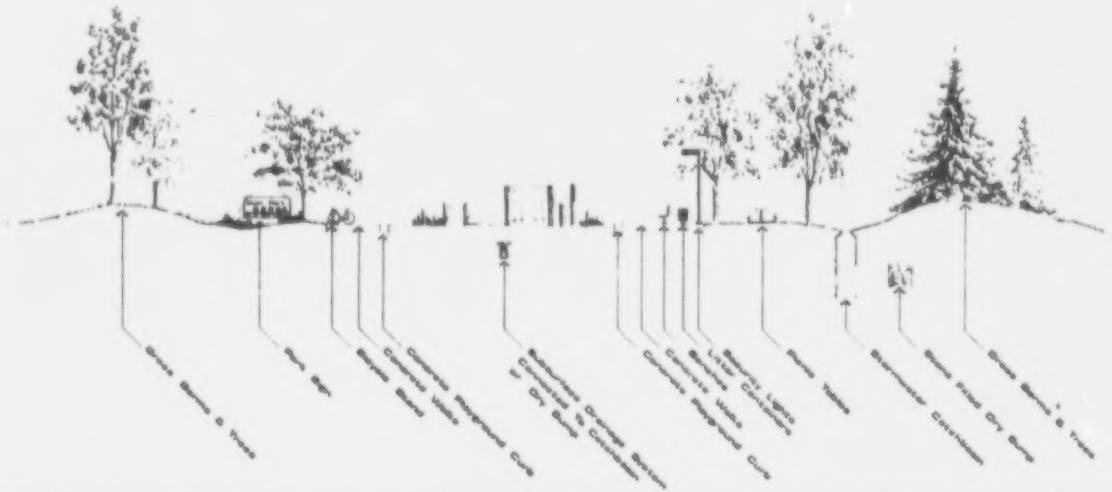
STAGE 3

LANDSCAPING

- Tree Planting
- Picnic Tables
- Other Park Amenities

COSTS

Small Area	32,000	28,000	15,000	Average Area & Cost 370 M² @	75,000
Medium Area	34,000	51,000	20,000	" " " 585 M²	105,000
Large Area	36,000	64,000	25,000	" " " 885 M²	125,000



Revisions CAD

Edmonton PARKS AND RECREATION

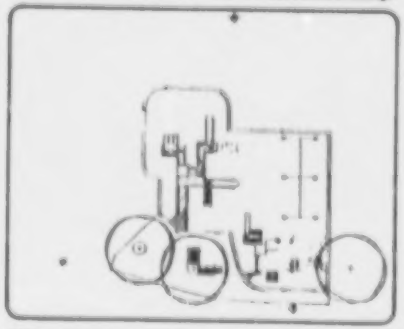
PLAYGROUNDS

Basic Requirements & Development Staging

1983 COSTS

Drawn	Supervisor	Date 83 01 31	Drawing No. 500A
Design	Director	Scale N T S	
Checked	Manager	File No.	
	General Manager		

PHASE 1



SITE PREPARATION $

SUBTOTAL

SITE AMENITIES $

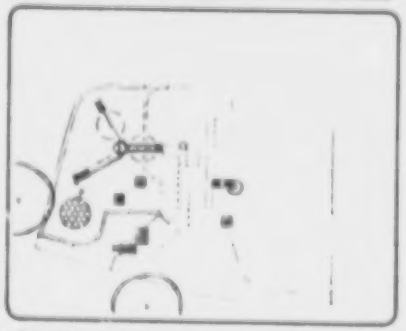
SUBTOTAL

EQUIPMENT $

SUBTOTAL

TOTAL 39,000

PHASE 2



SITE PREPARATION $

SUBTOTAL

SITE AMENITIES $

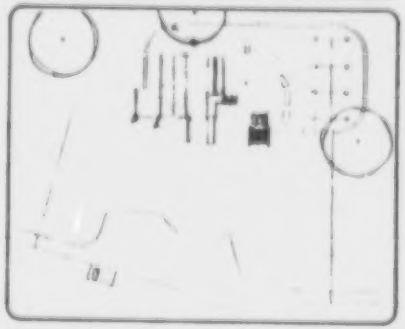
SUBTOTAL

EQUIPMENT $

SUBTOTAL

TOTAL + 28,000 = 67,000

PHASE 3



SITE PREPARATION $

SUBTOTAL

SITE AMENITIES $

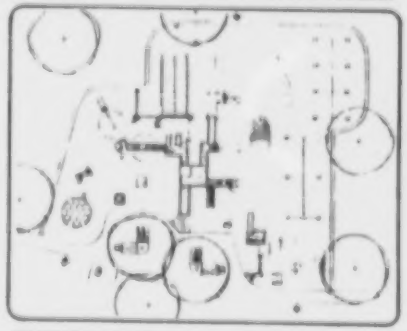
SUBTOTAL

EQUIPMENT $

SUBTOTAL

TOTAL + 28,000 = 95,000

COMPLETE



TOTAL

Revisions

CAD

Edmonton PARKS AND RECREATION

PLAYGROUNDS

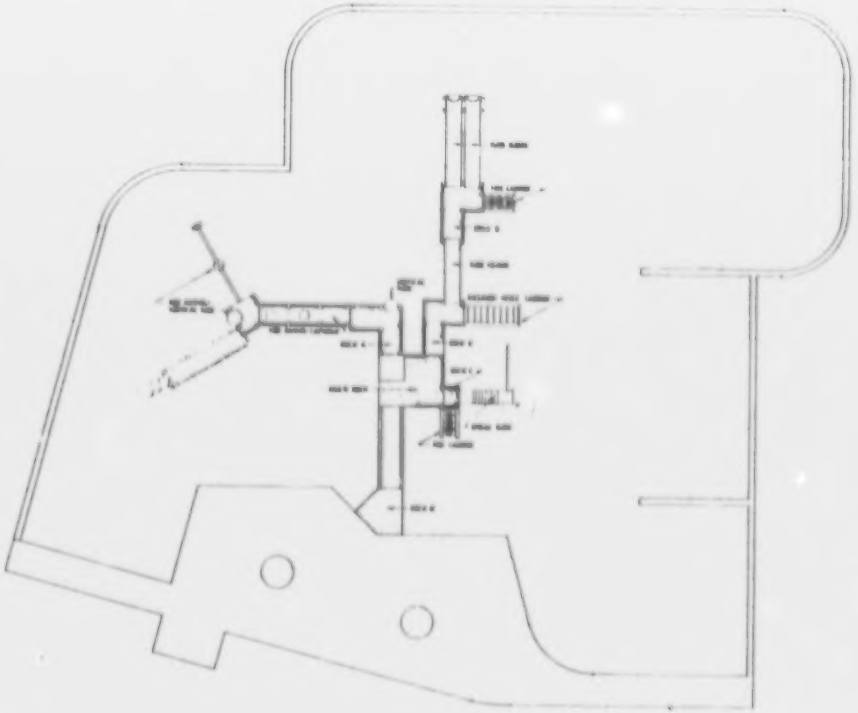
Development Phasing Estimates

1983 COSTS

Drawn	Supervisor
Design	Director
Checked	Manager
	General Manager

Date	Drawing No.
83 03	500 B
Scale	
1 : 250	
File No.	

MATERIAL LIST



EDMONTON PARKS AND RECREATION

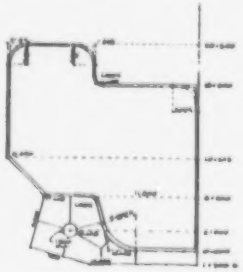
Playground Component System

Typical Equipment Layout

500C

OPTION A

1



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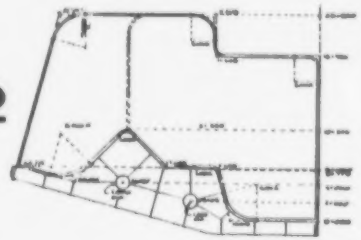

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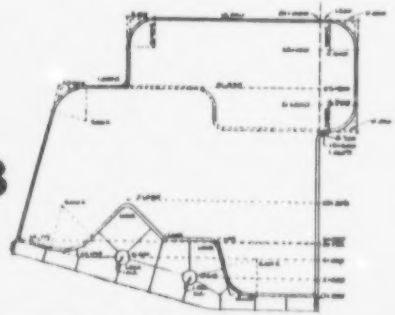
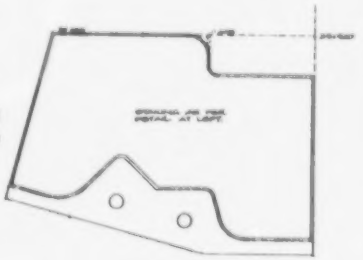


OPTION B

1

2



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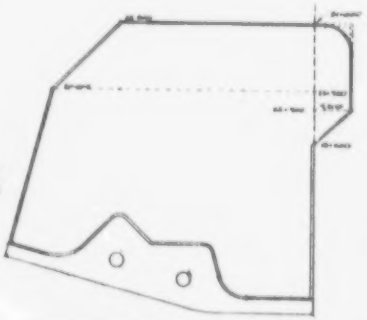
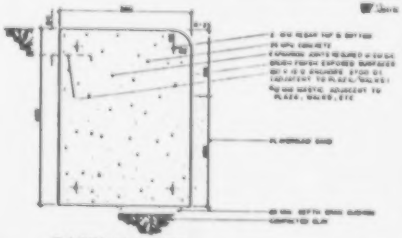
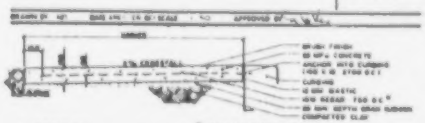




PLAYGROUND CURBING

Edmonton PARKS AND RECREATION

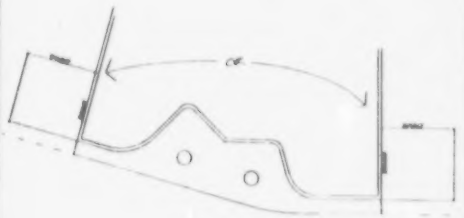
CONCRETE CURBS/PLAYGROUND | SP 102a



X SECTION

Edmonton PARKS AND RECREATION

CONCRETE PLAZA COURT | SP 101d



OPTIONAL COURT

LEGEND

- BUMPER RAIL
- PROPERTY LINE
- SEWER LINE
- WATER LINE
- GAS LINE
- IRRIGATION
- OVERHEAD POWER
- UNDERGROUND POWER
- SUB DRAINAGE
- CHAIN LINK FENCE
- WOOD FENCE
- TRANSFORMER
- HYDRANT
- METER CHAMBER
- CUBICLE
- SECURITY LIGHT

NOTES

1A } [illegible] LIN. M. 900 x 400 LINK. CURB
1P } 172 SQ. M. 150 LINK. PAVING

2A } [illegible] LIN. M. 900 x 400 LINK. CURB
2P } 199 SQ. M. 150 LINK. PAVING

5A } 140 LIN. M. 900 x 400 LINK. CURB
5P } 145 SQ. M. 150 LINK. PAVING

OPTIONAL COURT - [illegible] SQ. M. 150 LINK. PAVING

Revisions: REVISED PLAZA AREA LAYOUT — CKD

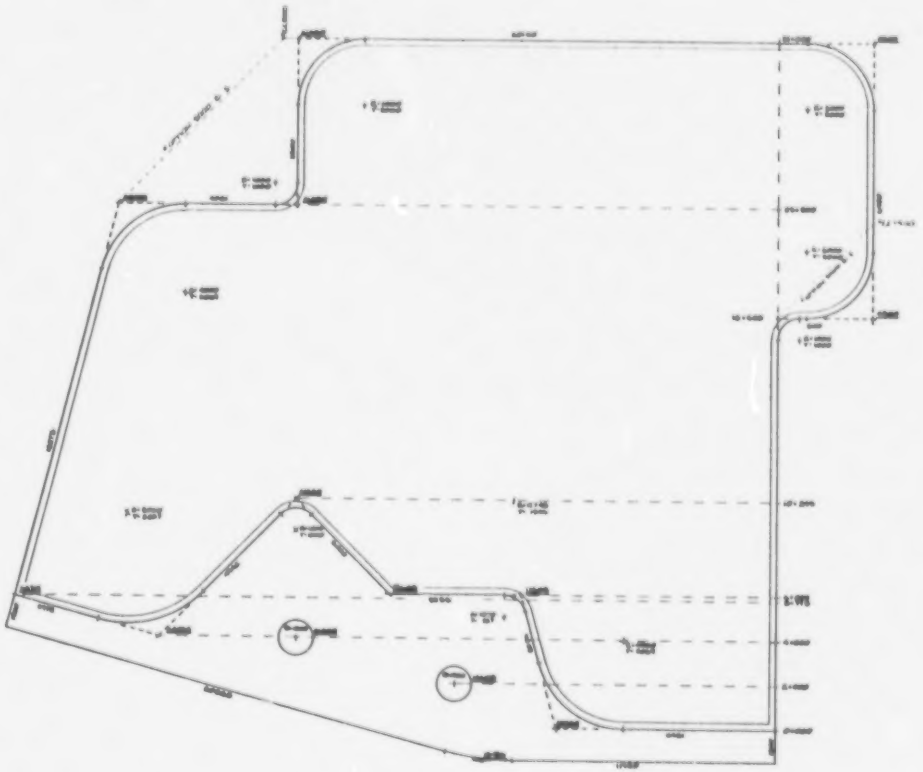
Edmonton PARKS AND RECREATION

Playground Component System

CURB STAKING
General

Drawn	Superintendent
Design	Director
Checked	Manager
	General Manager

Date: 1985	Drawing No. 500 D
Scale: 1:250	
File No.	



Curb and Plaza Staking

1 : 100

Revisions

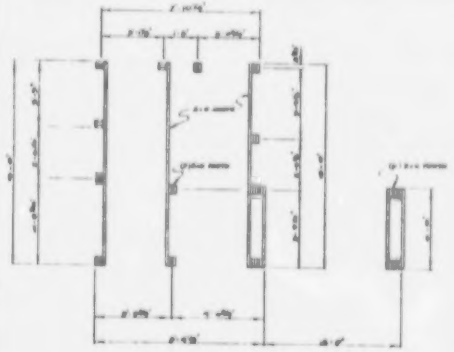
Edmonton PARKS AND RECREATION

Playground Component System

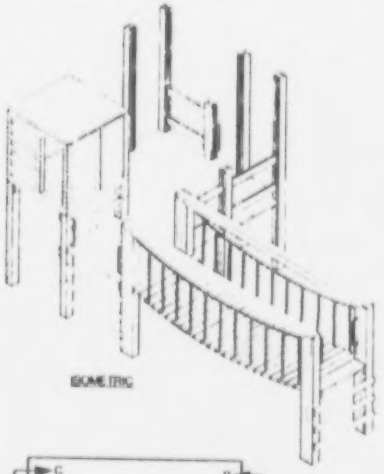
CURB STAKING
Stage 3

Drawn	Engineer
Design	Manager
Checked	
	General Manager

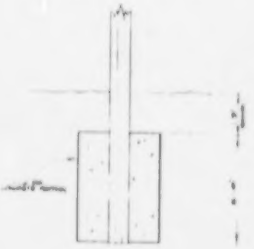
Date	Drawing No.
Scale 1:100	SD 3060-A-3
File No.	



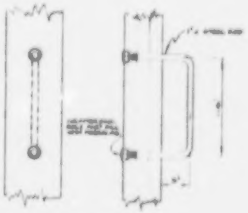
POST and BEAM



ISOMETRIC

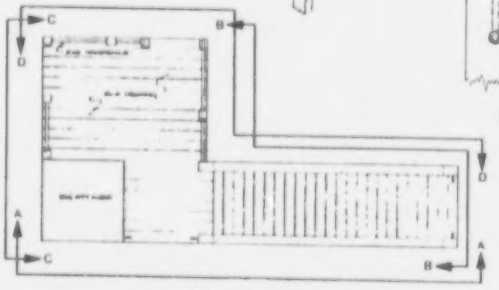


FOOTING DETAIL



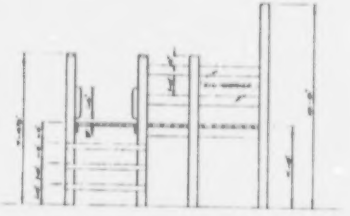
HANDHOLD DETAIL

ELEVATION A-A

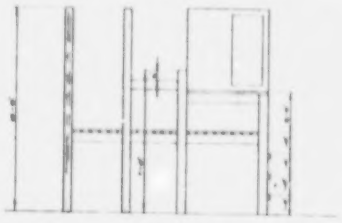


PLAN VIEW

MATERIAL LIST



ELEVATION B-B



ELEVATION C-C

ELEVATION D-D

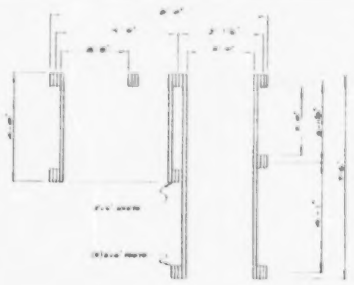
Edmonton PARKS AND RECREATION

Playground Component System

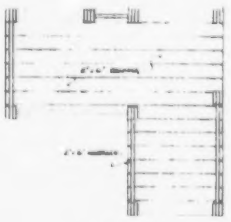
MULTI DECK

Drawn: UY	Supervisor
Design	Director
Checked	Manager
	General Manager

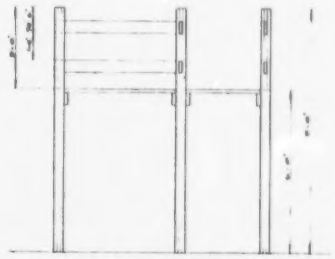
Date: mar 83	Drawing No. SD 501
Scale: 3/8"=1'0"	
File No.	



POST and BEAM



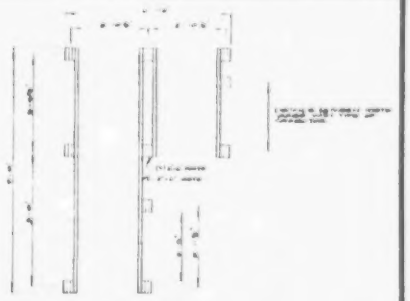
PLAN VIEW



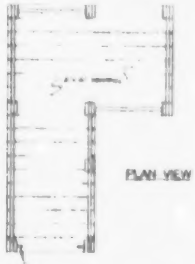
ELEVATION

TYPE A

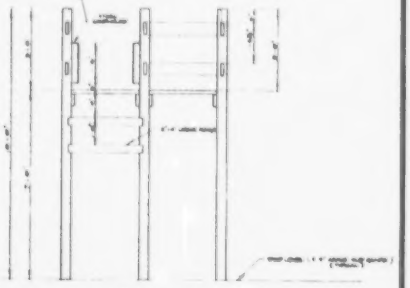
MATERIAL LIST



POST and BEAM



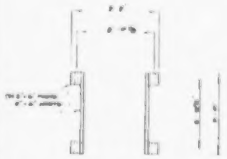
PLAN VIEW



ELEVATION

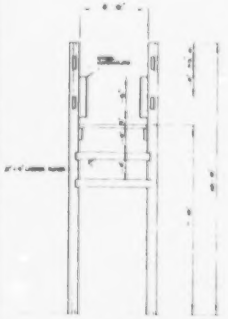
TYPE B

MATERIAL LIST



POST and BEAM

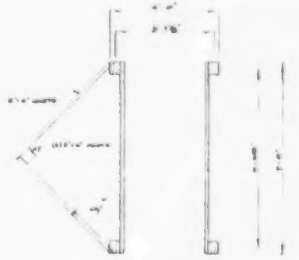
PLAN VIEW



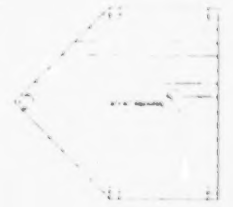
ELEVATION

TYPE C

MATERIAL LIST



POST and BEAM



PLAN VIEW

ELEVATION

TYPE D

MATERIAL LIST

Edmonton PARKS AND RECREATION

Playground Component System

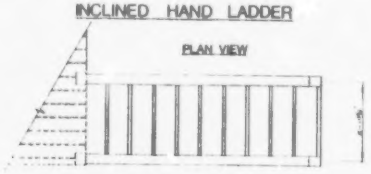
DECKS

Type A,B,C & D

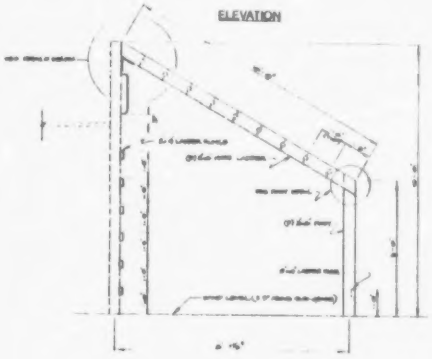
Drawn: QV	Supervisor	Date: mar 83	Drawing No. SD 502
Design:	Director	Scale: 1/4"=1'-0"	
Checked	Manager	File No.	
	General Manager		

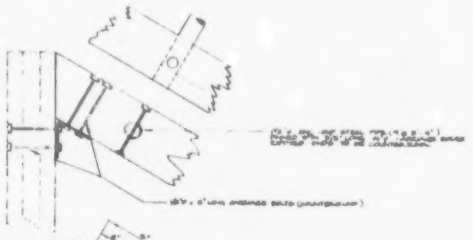
INCLINED HAND LADDER

PLAN VIEW

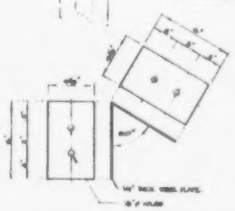


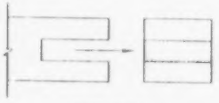
ELEVATION





BRACKET DETAILS

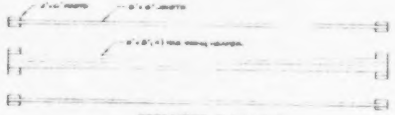




POST DETAIL

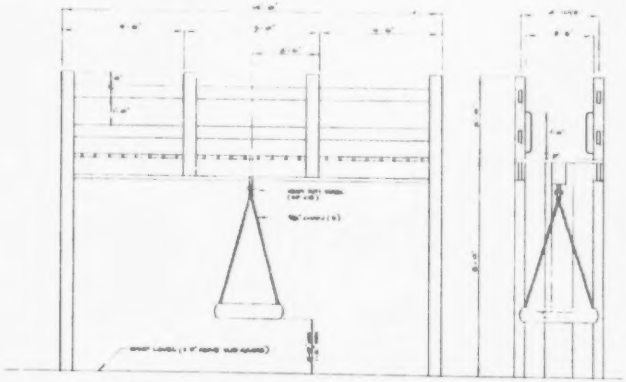
MATERIAL LIST

CATWALK/ TIRE SWING



POST/JOIST PLAN VIEW

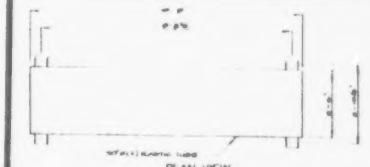
OVERALL PLAN VIEW



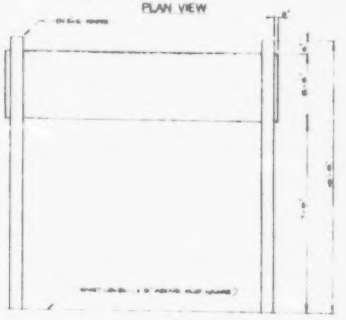
ELEVATION

SECTION

MATERIAL LIST



PLAN VIEW



ELEVATION

TUBE CRAWL

MATERIAL LIST

Revisions

CKD

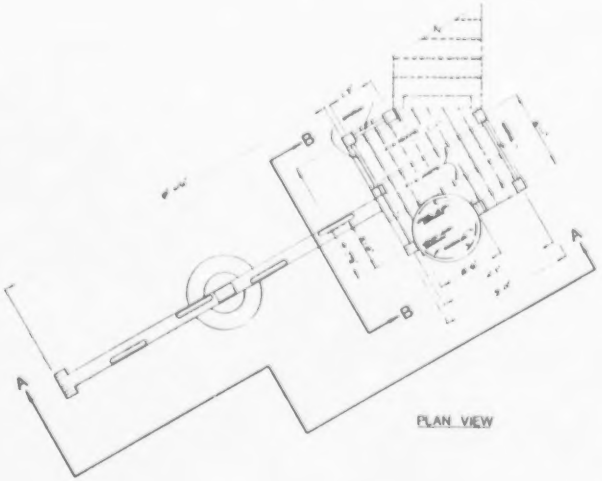
Edmonton PARKS AND RECREATION

Playground Component System

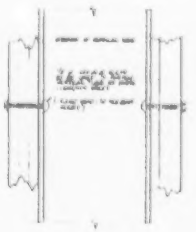
INCLINED HAND LADDER
CATWALK/ TIRE SWING
TUBE CRAWL

Drawn: LW	Design Supervisor
Design	Director
Checked	Manager
	General Manager

Date: NOV 83	Drawing No. SD 503
Scale: 1/2"=1'-0"	
File No.	



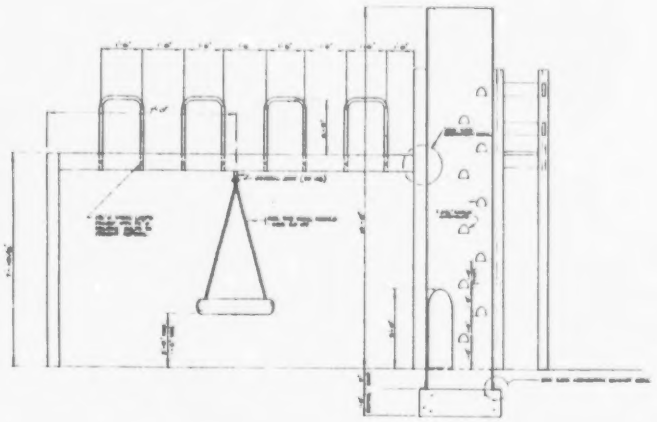
PLAN VIEW



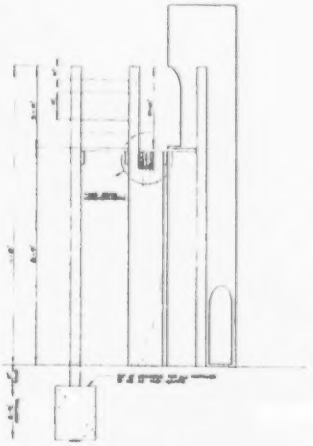
TUBE DETAIL

BRACKET DETAIL

MATERIAL LIST



VIEW A-A



VIEW B-B

BEAM DETAIL

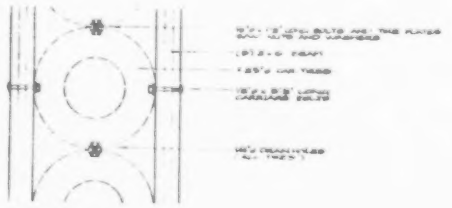
Edmonton PARKS AND RECREATION

Playground Component System

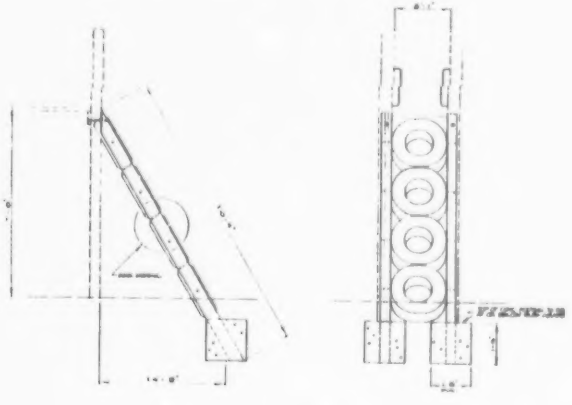
TIRE SWING/VERTICAL TUBE

Drawn GY	Supervisor
Design	Director
Checked	Manager
	General Manager

Date mar 83	Drawing No. SD 504
Scale 1/2" = 1'-0"	
File No.	

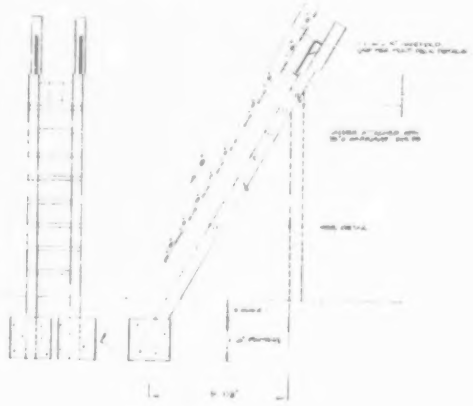


DETAIL



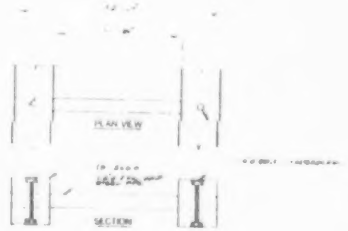
TIRE LADDER

MATERIAL LIST



PIPE LADDER

MATERIAL LIST



GRIP DETAIL

Revisions

CKD

Edmonton PARKS AND RECREATION

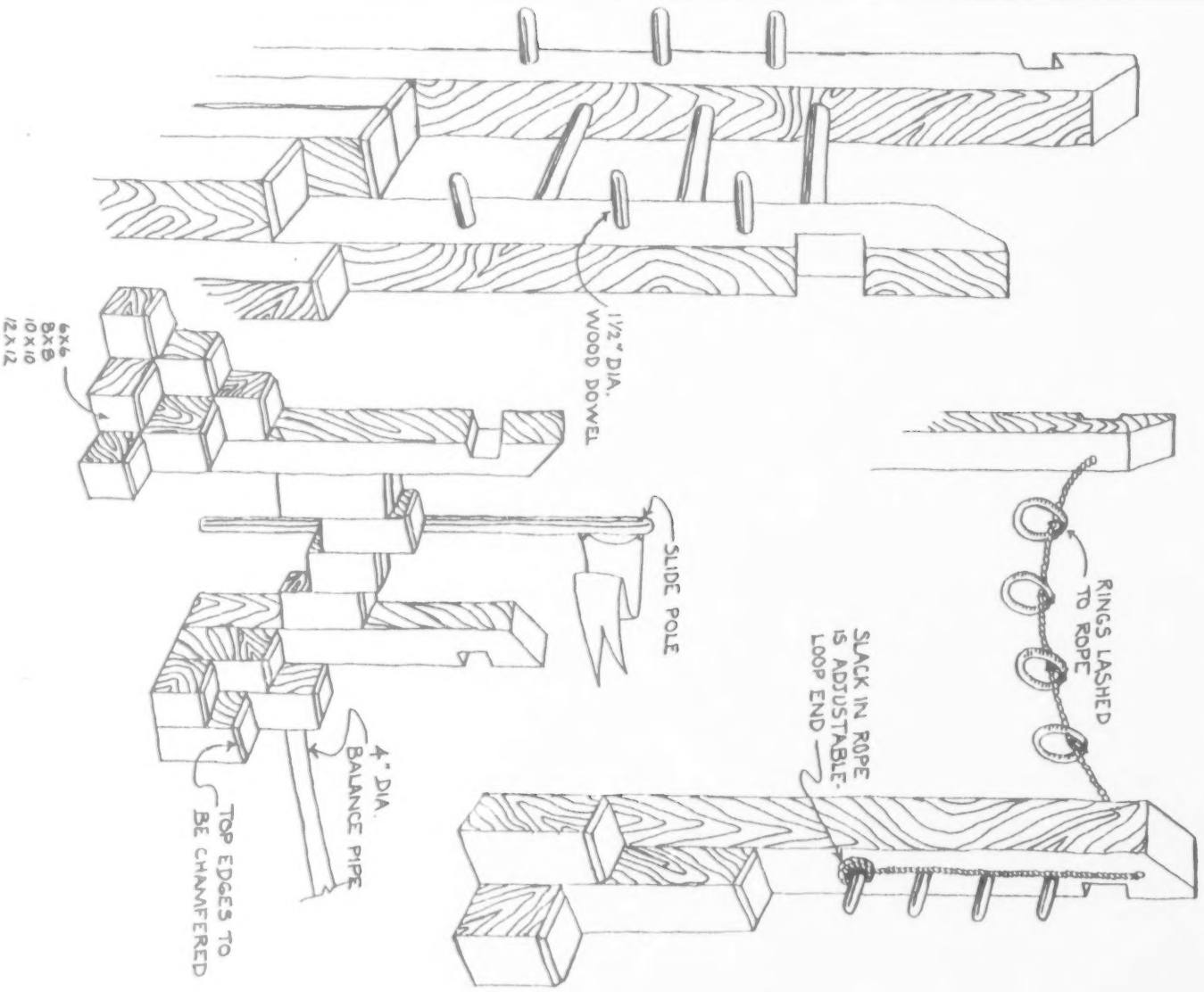
Playground Component System

TIRE LADDER
PIPE LADDER

Drawn: QV	Supervisor:
Design:	Director:
Checked:	Manager:
	General Manager:

Date: april 83	Drawing No. SD 505
Scale: ½" = 1'-0"	
File No.	

MANITOBA CULTURE, HERITAGE AND RECREATION
SCHEMATIC DRAWINGS FOR PLAYGROUND DESIGN AND EQUIPMENT

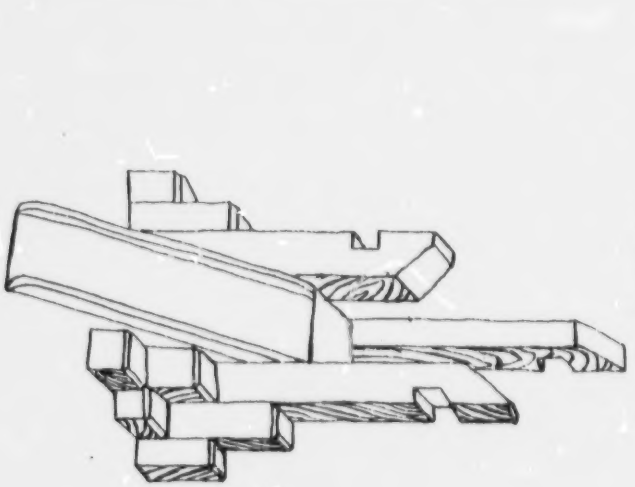


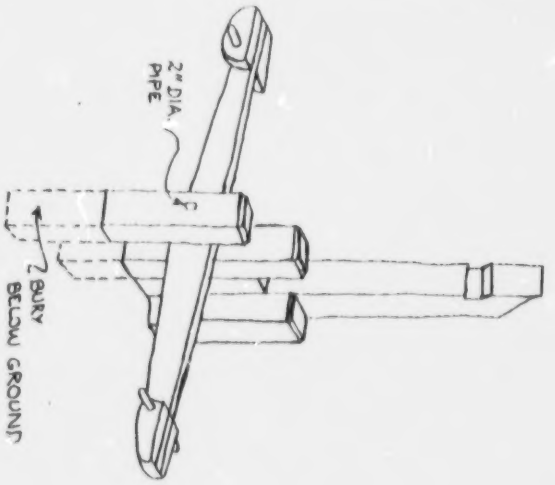
CULTURE, HERITAGE AND RECREATION

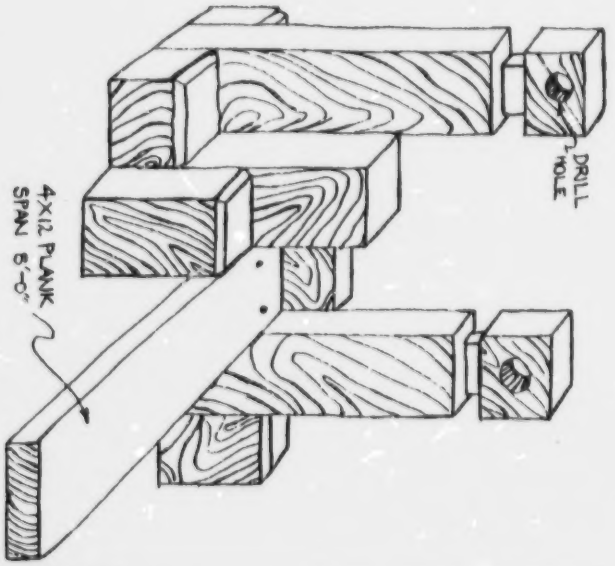
Manitoba

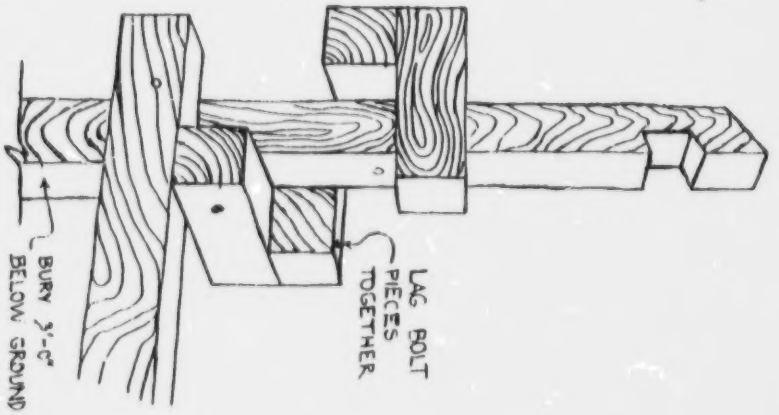
CREATIVE PLAYGROUND
STEPS, COLUMNS & DOWELS

PLAYGROUND



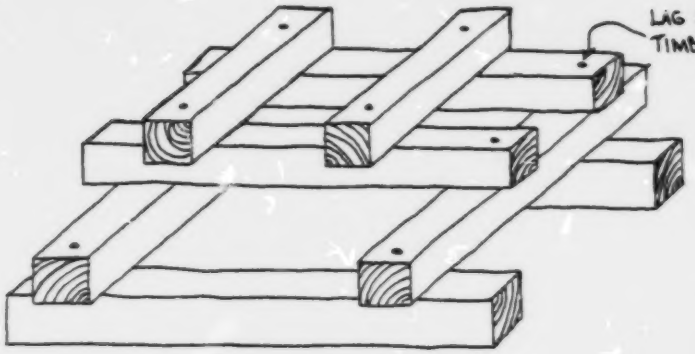


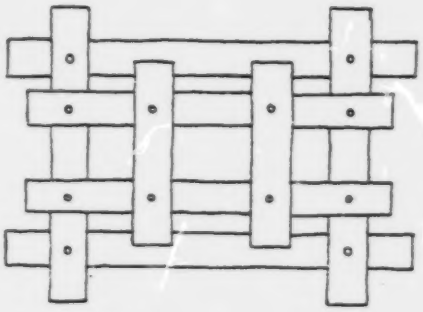




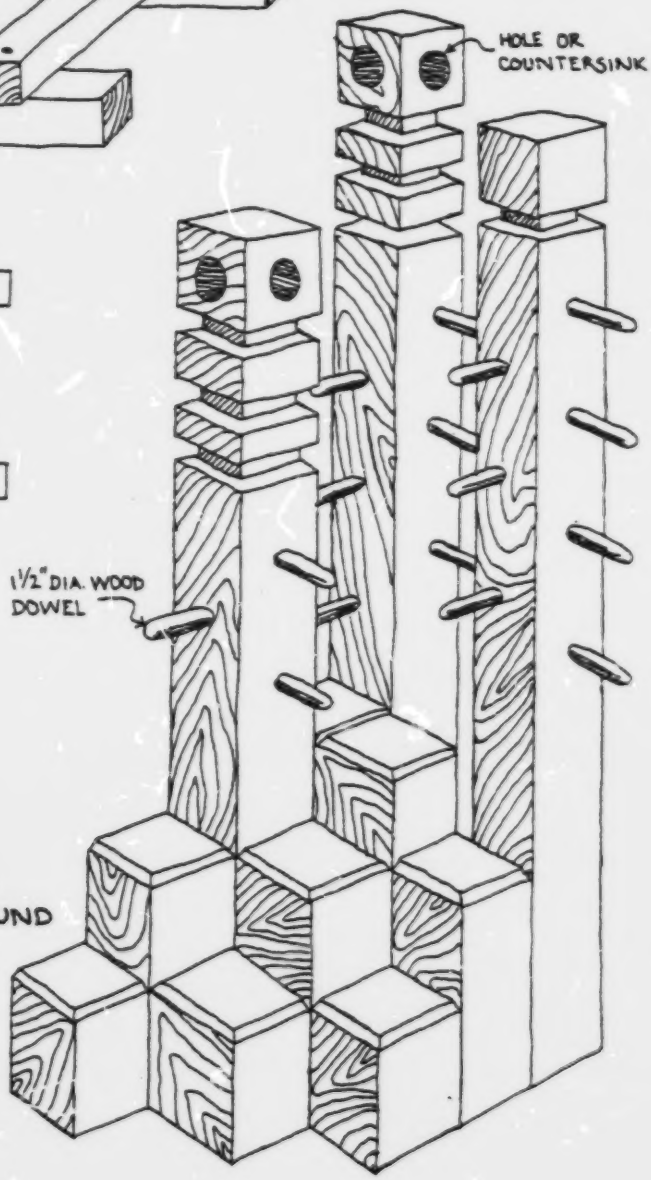
CULTURE, HERITAGE AND RECREATION	Manitoba	CREATIVE PLAYGROUND STEPS, COLUMNS & DOWELS	PLAYGROUNDS 40.3

CREATIVE PLAYGROUND
STEPS, COLUMNS & DOWELS

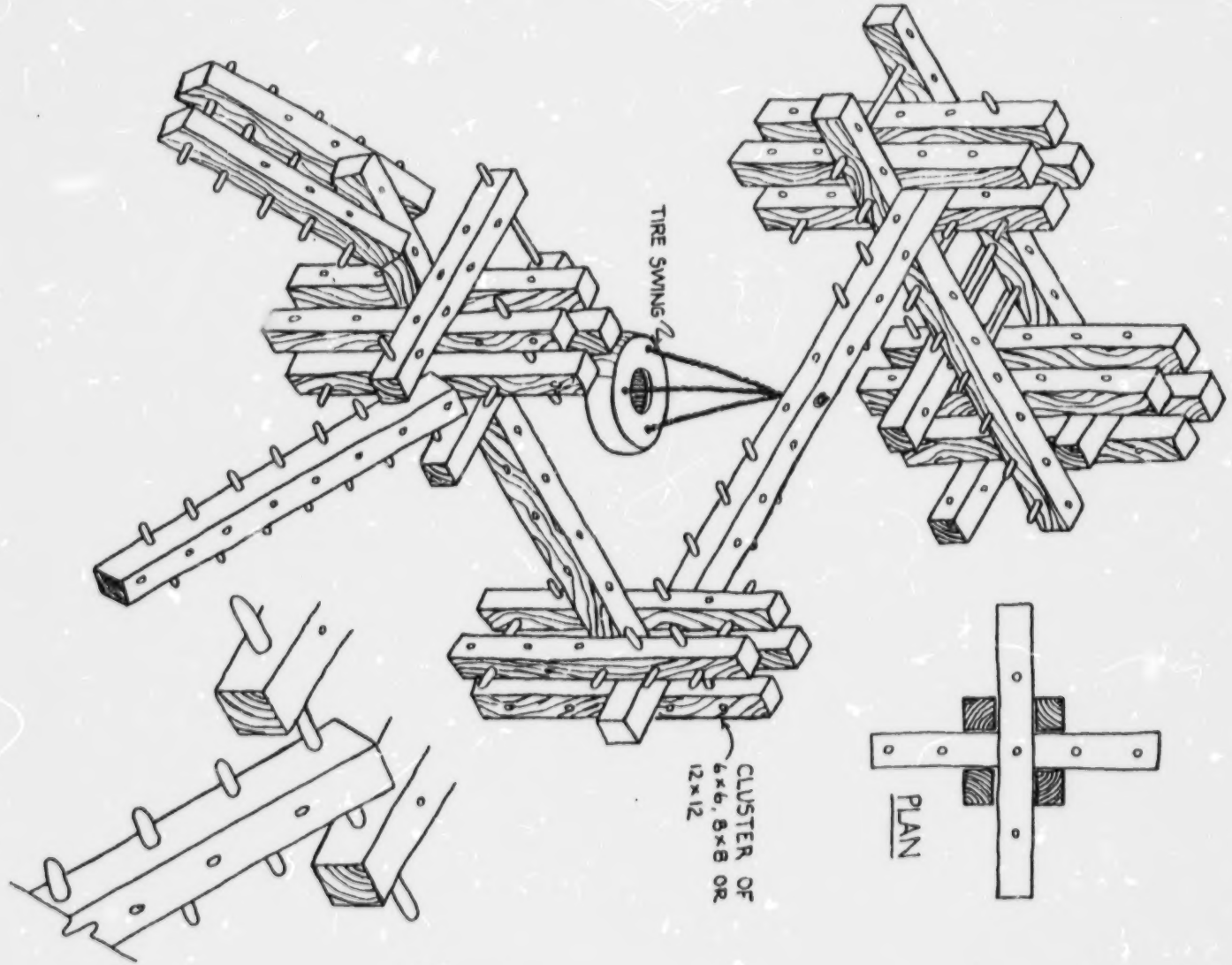




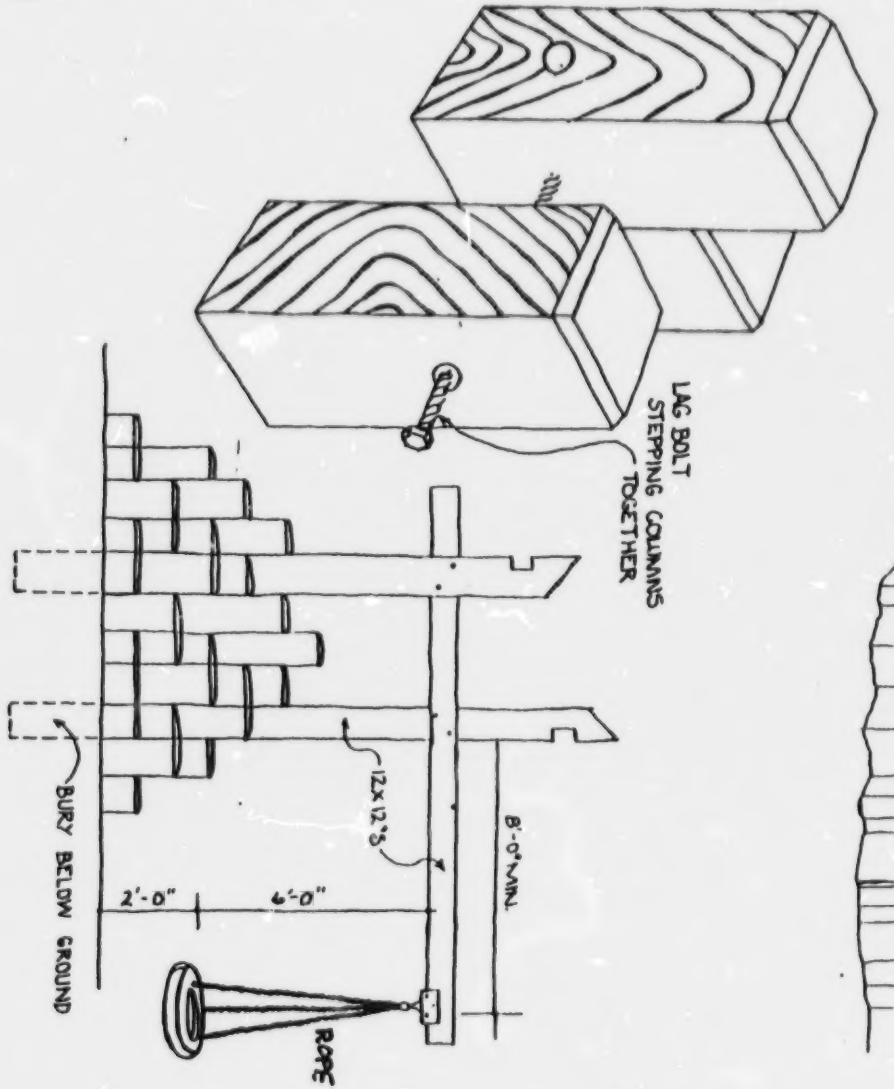
PLAN

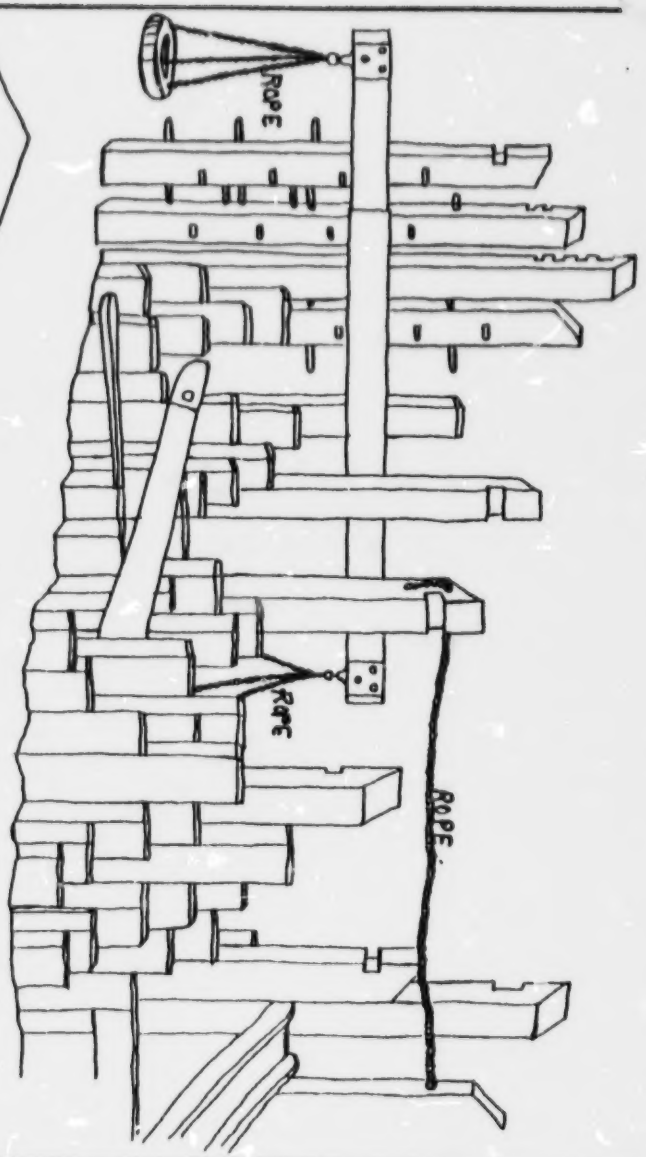


- THIS SYSTEM WAS INITIALLY DESIGNED AS A EXPERIMENTAL PLAYGROUND USING CONSTRUCTION TIMBERS. IT PROVED SO SUCCESSFUL THAT IT'S NOW BEING COMMERCIALLY MANUFACTURED.



CULTURE, HERITAGE AND RECREATION Manitoba	CREATIVE PLAYGROUND POSTS & CHAIN (ROPE)	PLAYGROUNDS 41.2



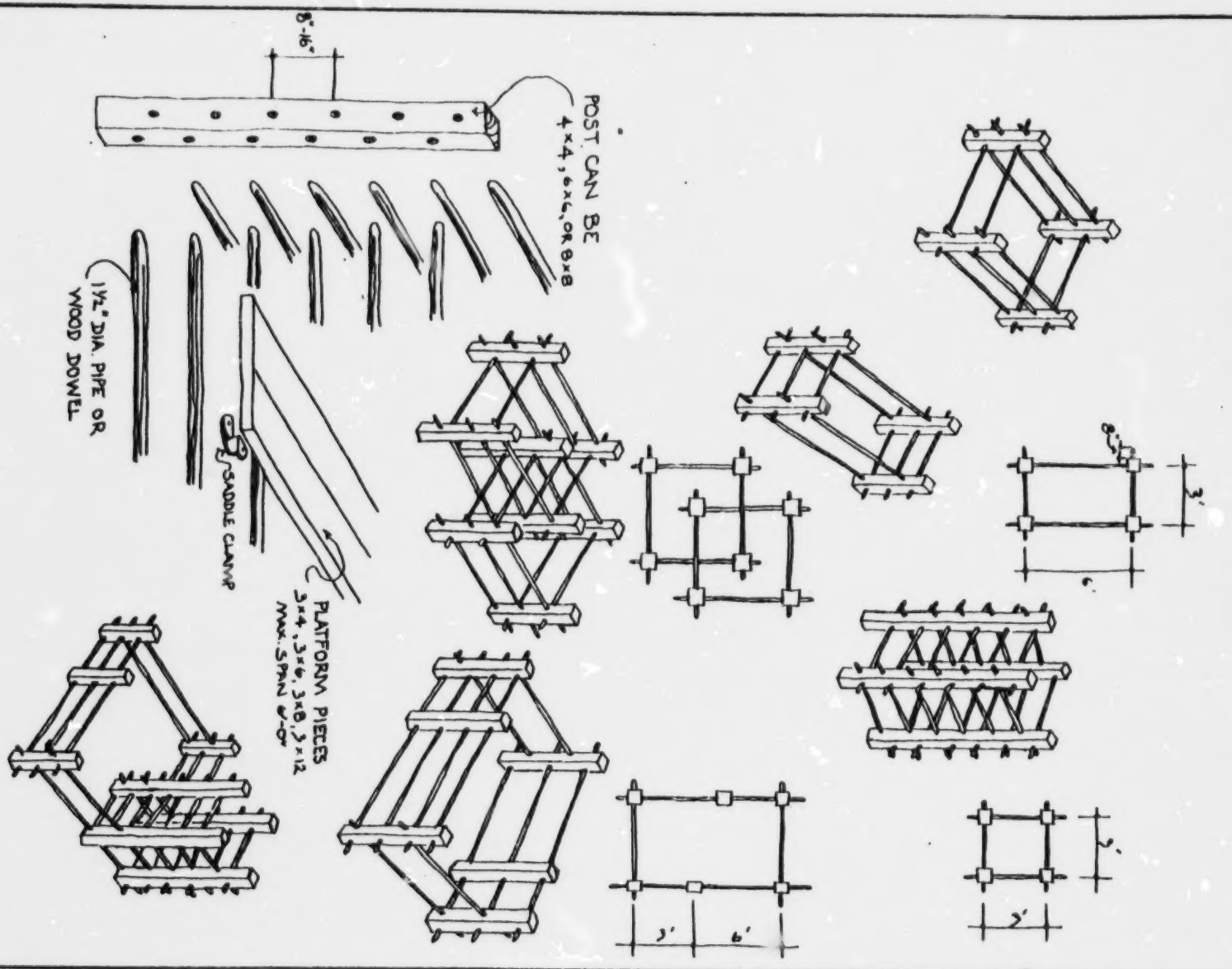


CULTURE, HERITAGE AND RECREATION

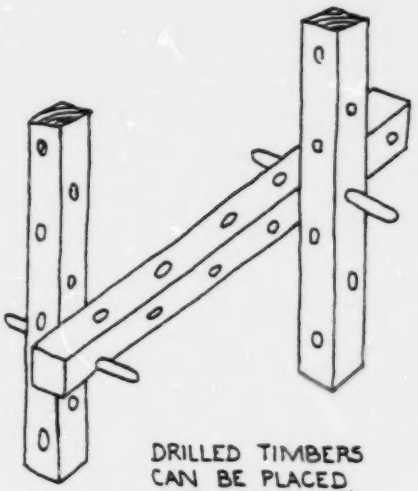
Manitoba

CREATIVE PLAYGROUND
POSTS & CHAIN (ROPE)

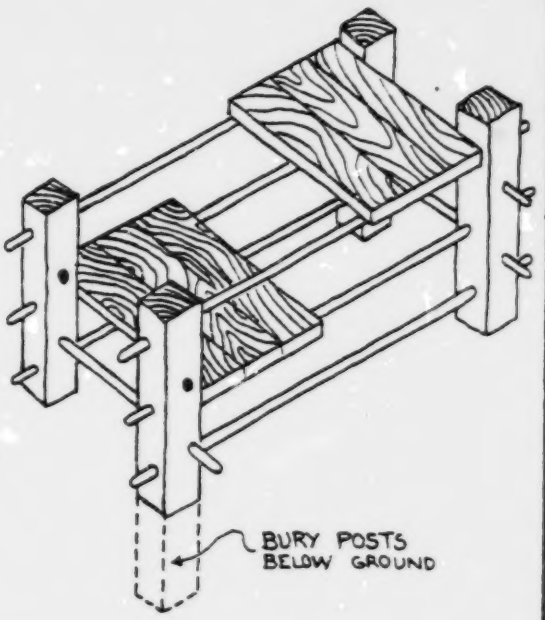
PLAYGROUNDS
41.3



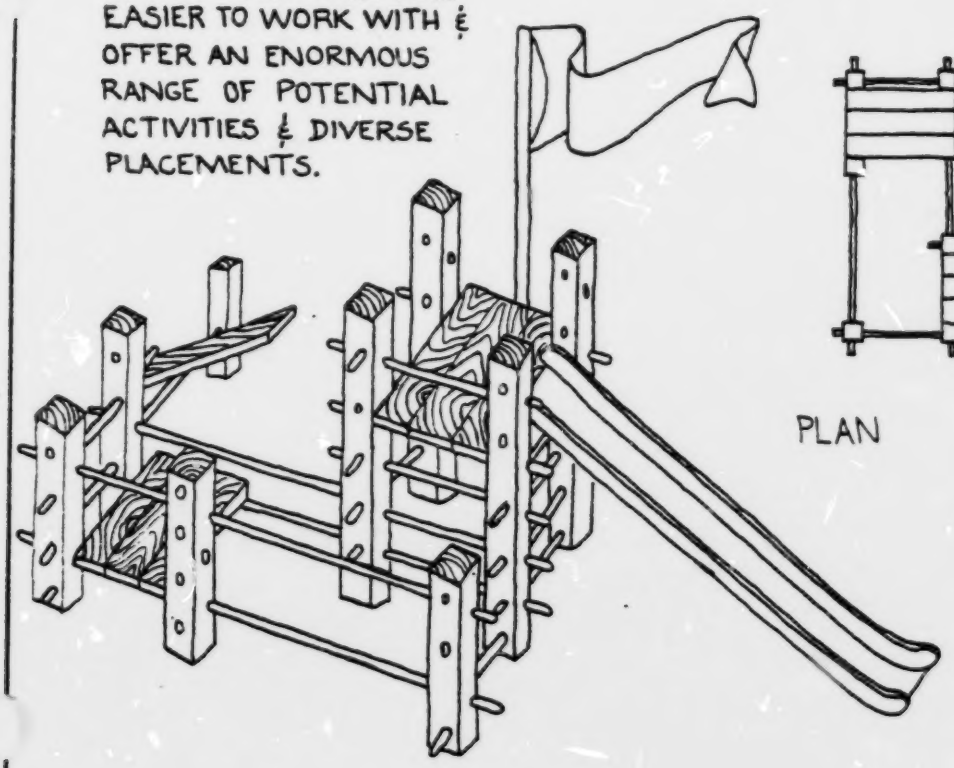
CULTURE, HERITAGE AND RECREATION	Manitoba	CREATIVE PLAYGROUND STEPS, COLUMNS & DOWELS	PLAYGROUNDS 40.7

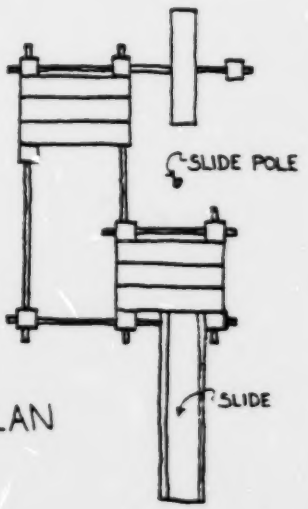


DRILLED TIMBERS CAN BE PLACED HORIZONTALLY & VERTICALLY

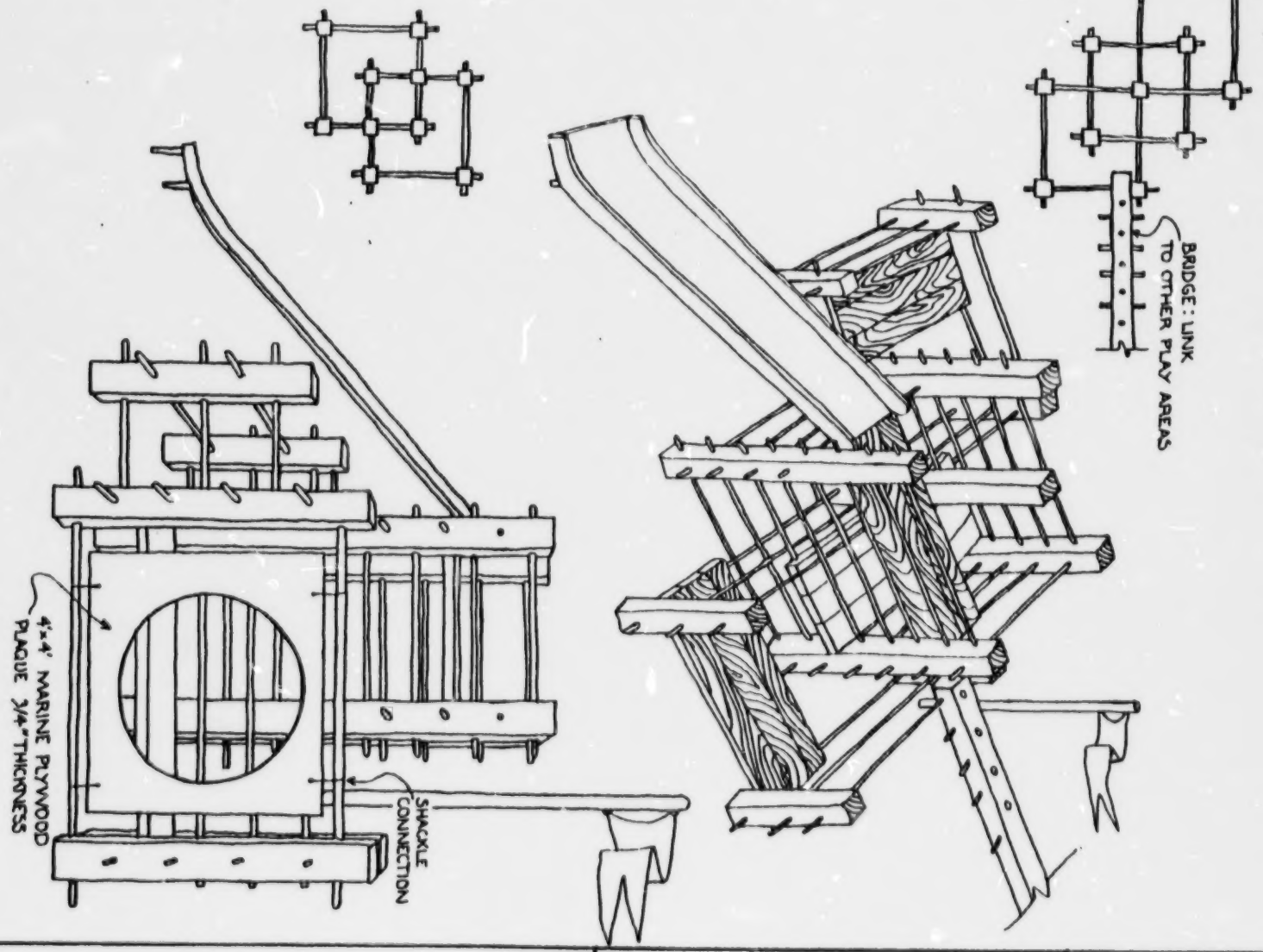


- THESE ARE BASICALLY SIMILAR TO POLE & DOWEL SYSTEMS, EXCEPT THAT THEY ARE EASIER TO WORK WITH & OFFER AN ENORMOUS RANGE OF POTENTIAL ACTIVITIES & DIVERSE PLACEMENTS.





PLAN



CULTURE, HERITAGE AND RECREATION

Manitoba

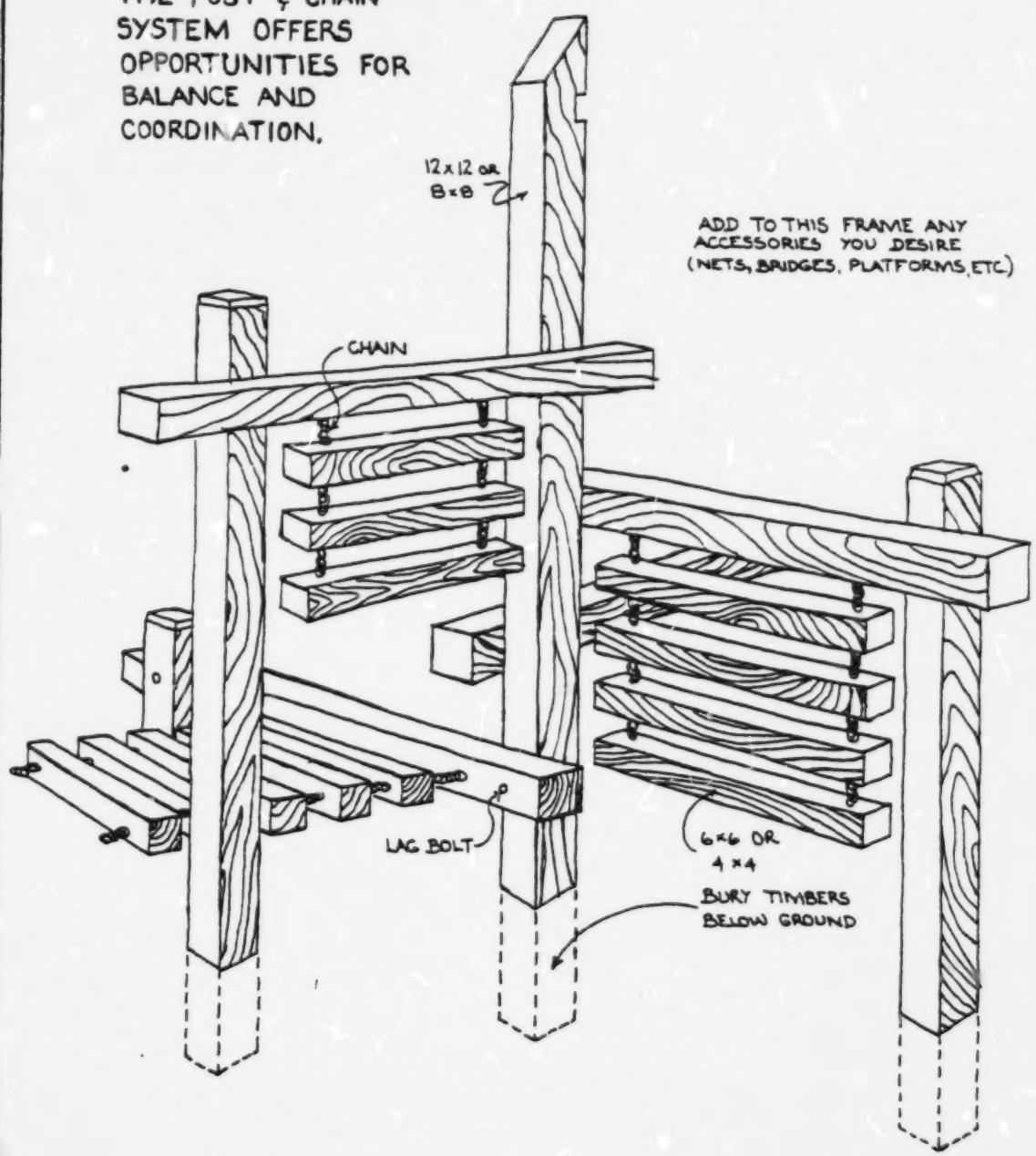
CREATIVE PLAYGROUND

STEPS, COLUMNS & DOWELS

PLAYGROUNDS

40.6

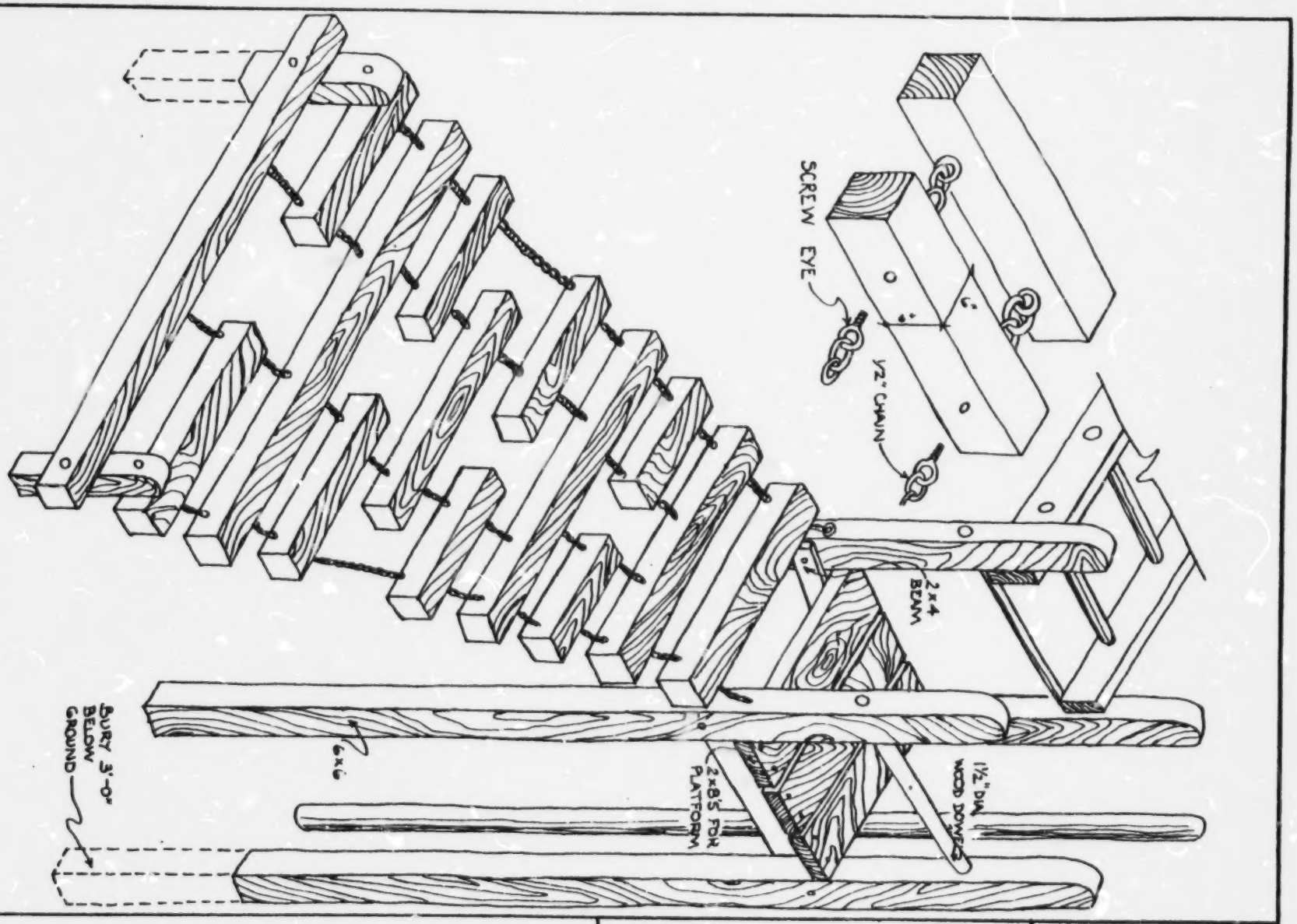
THE POST & CHAIN SYSTEM OFFERS OPPORTUNITIES FOR BALANCE AND COORDINATION.


12x12 OR 8x8
ADD TO THIS FRAME ANY ACCESSORIES YOU DESIRE (NETS, BRIDGES, PLATFORMS, ETC.)
CHAIN
LAG BOLT
6x6 OR 4x4
BURY TIMBERS BELOW GROUND

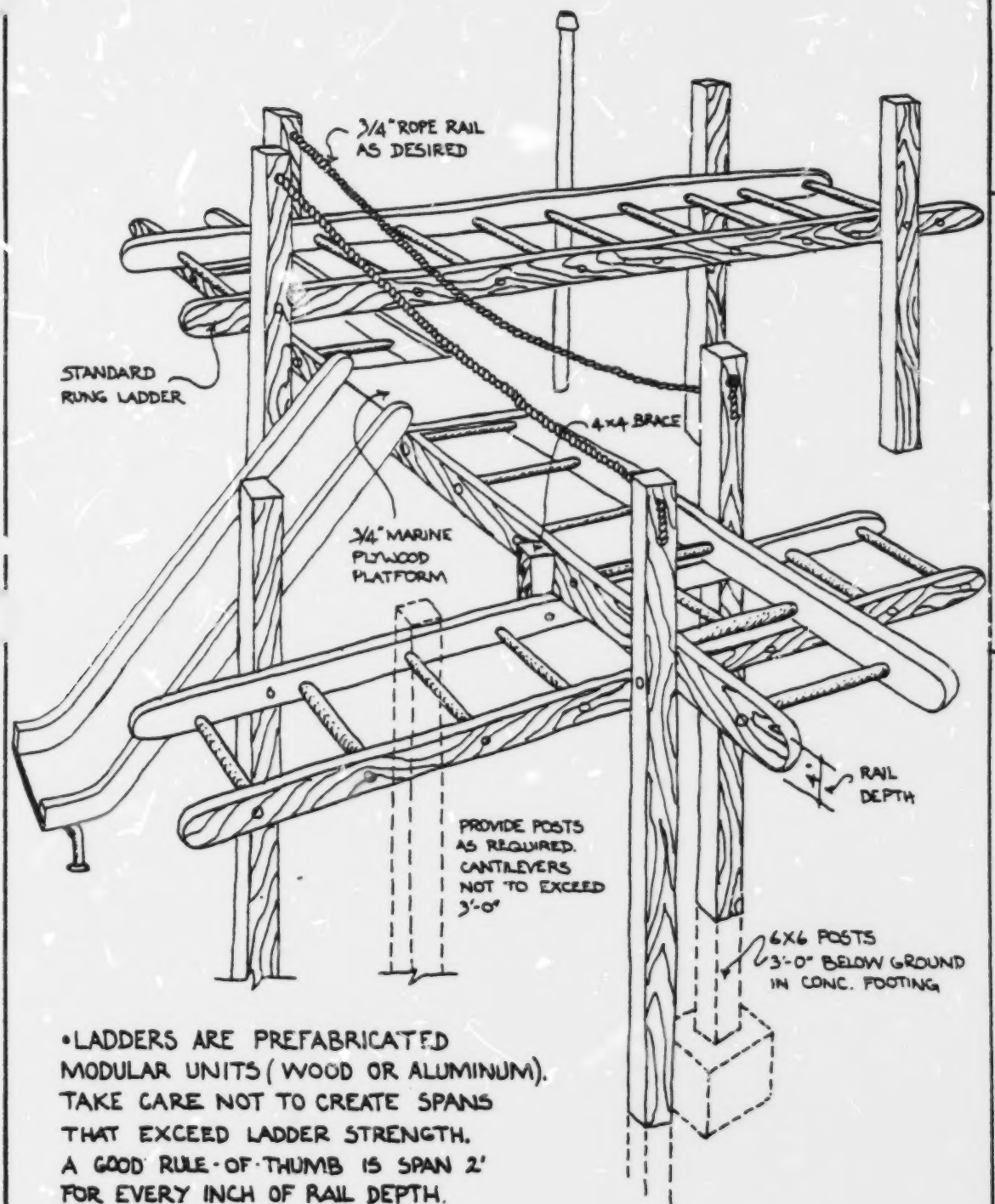
CREATIVE PLAYGROUND
POSTS & CHAIN (ROPE)

CULTURE, HERITAGE AND RECREATION

Manitoba



CULTURE, HERITAGE AND RECREATION	Manitoba	CREATIVE PLAYGROUND STEPS, COLUMNS & DOWELS	PLAYGROUNDS 40.1


3/4" ROPE RAIL AS DESIRED
STANDARD RUNG LADDER
4x4 BRACE
3/4" MARINE PLYWOOD PLATFORM
RAIL DEPTH
PROVIDE POSTS AS REQUIRED. CANTILEVERS NOT TO EXCEED 3'-0"
6X6 POSTS 3'-0" BELOW GROUND IN CONC. FOOTING

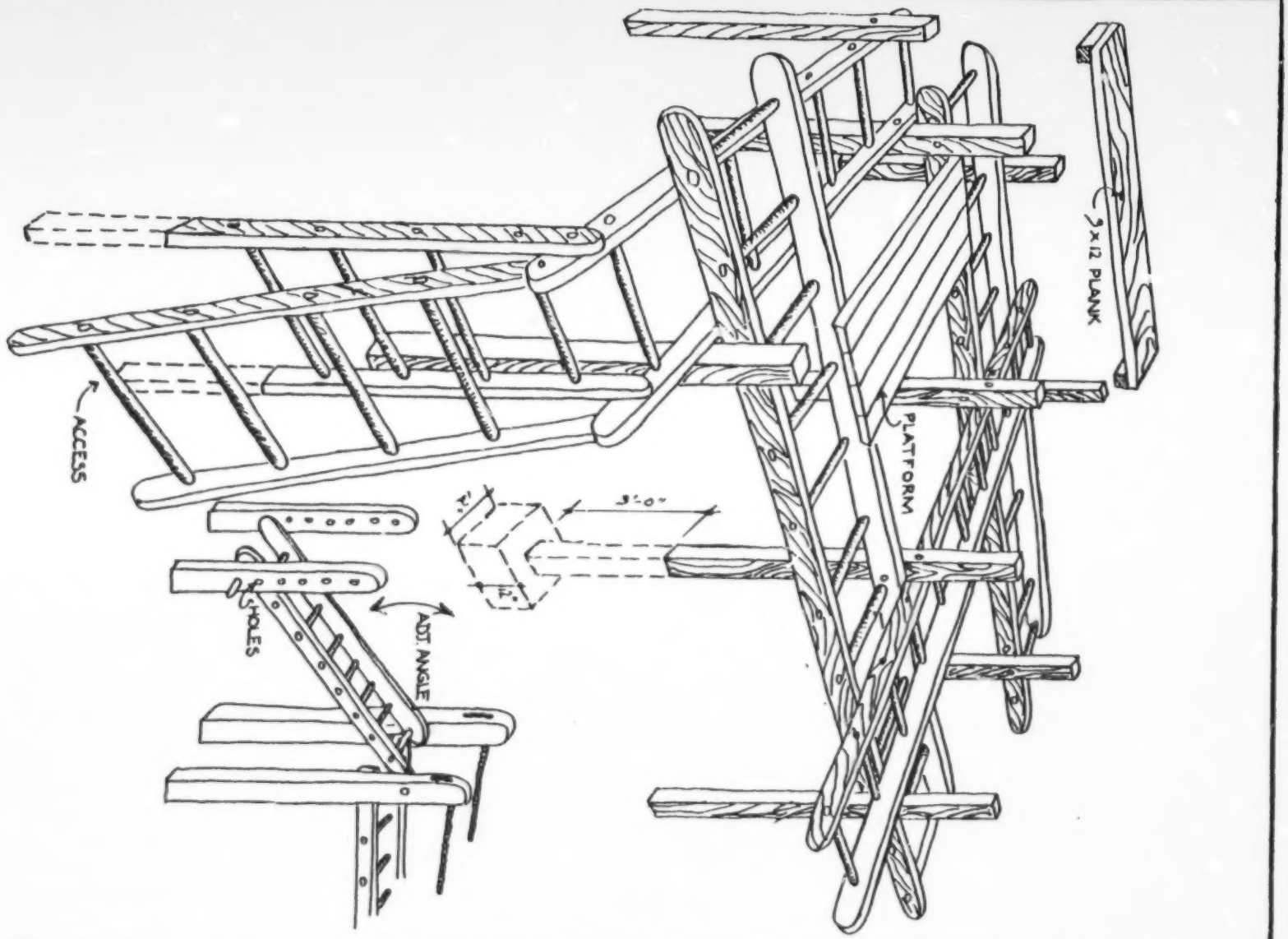
- LADDERS ARE PREFABRICATED MODULAR UNITS (WOOD OR ALUMINUM). TAKE CARE NOT TO CREATE SPANS THAT EXCEED LADDER STRENGTH. A GOOD RULE-OF-THUMB IS SPAN 2' FOR EVERY INCH OF RAIL DEPTH. A 4" RAIL WILL SPAN 8'-0".

PLAYGROUNDS
41.7

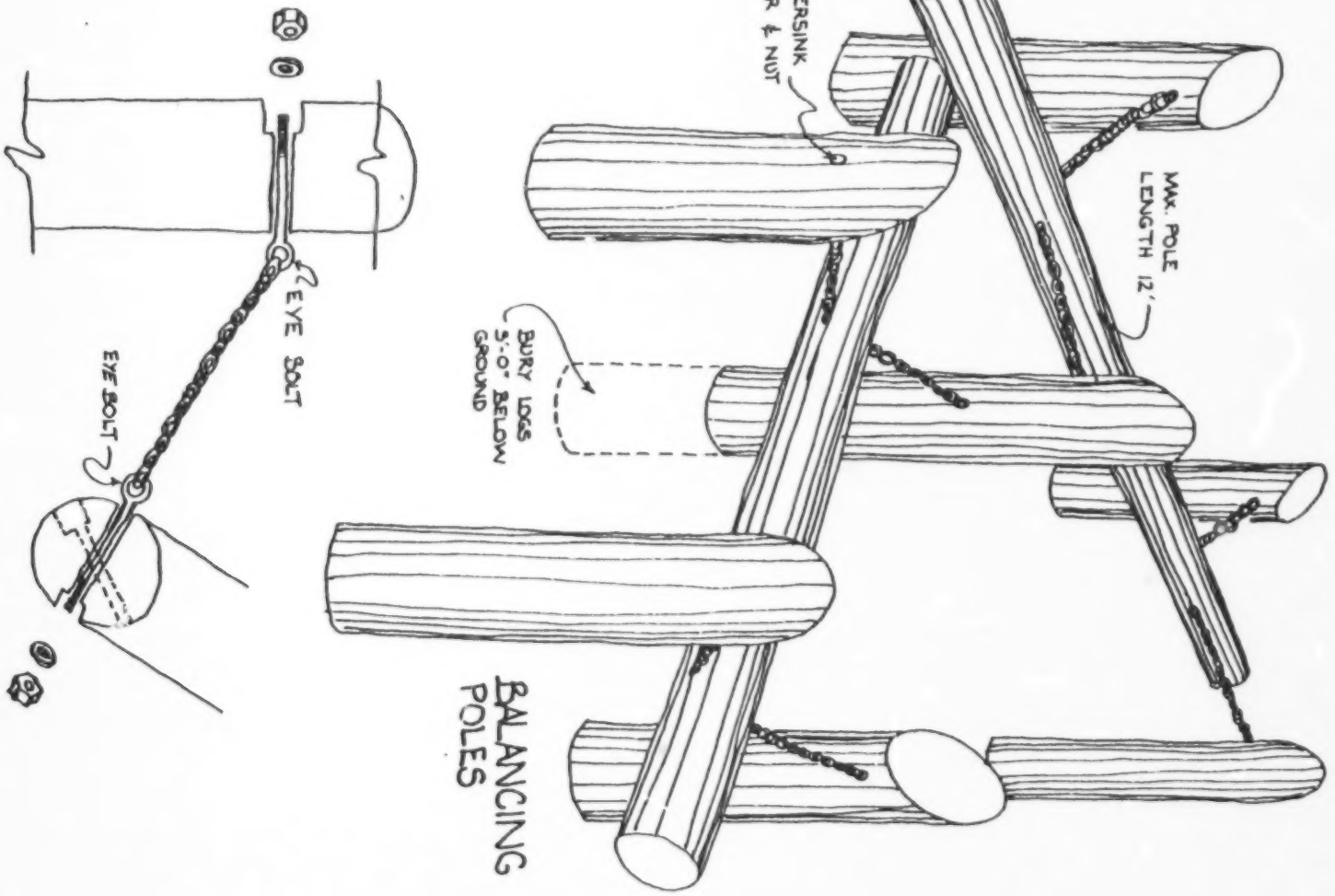
CREATIVE PLAYGROUND
POSTS & CHAIN (ROPE)

CULTURE, HERITAGE AND RECREATION

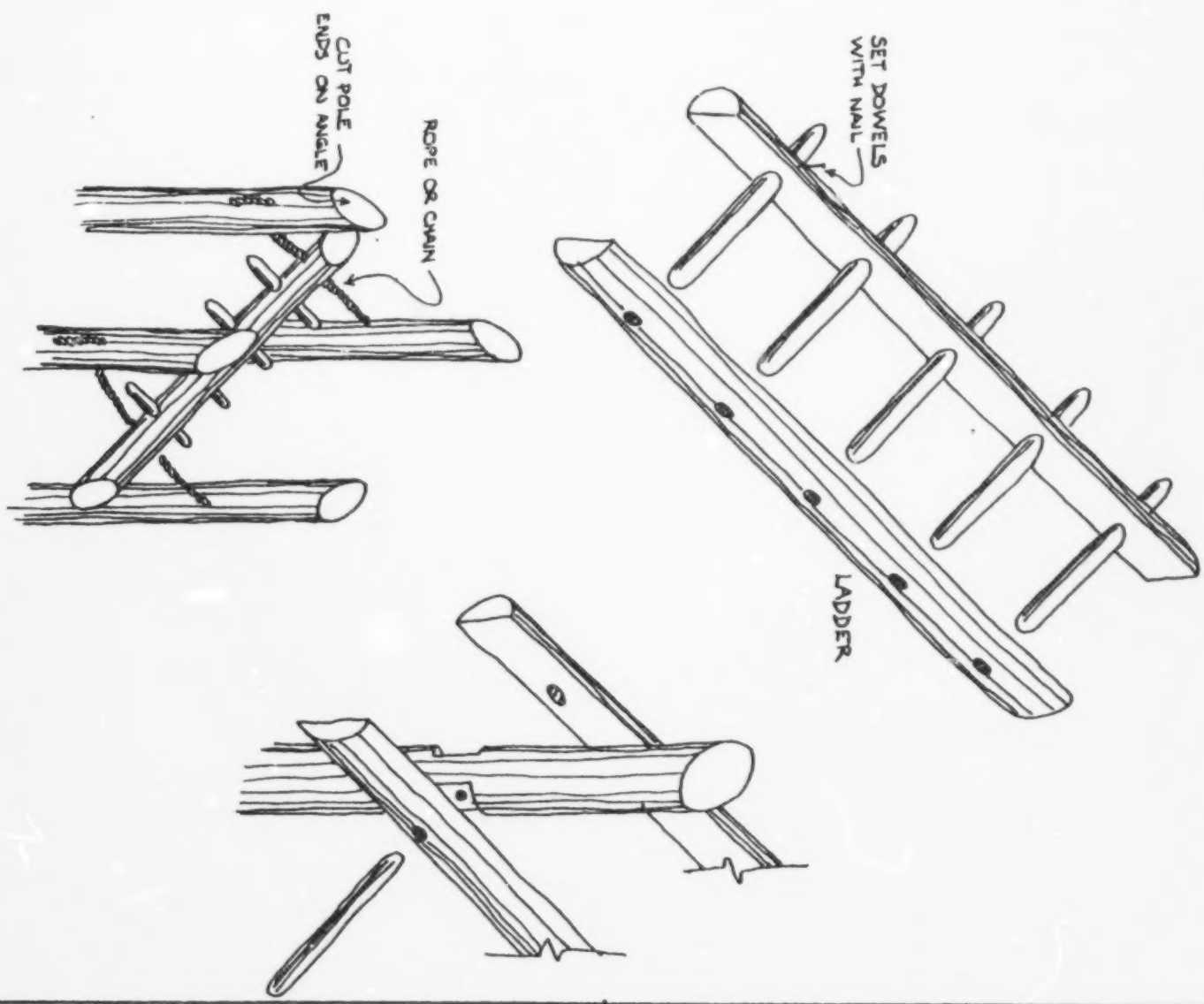
Manitoba



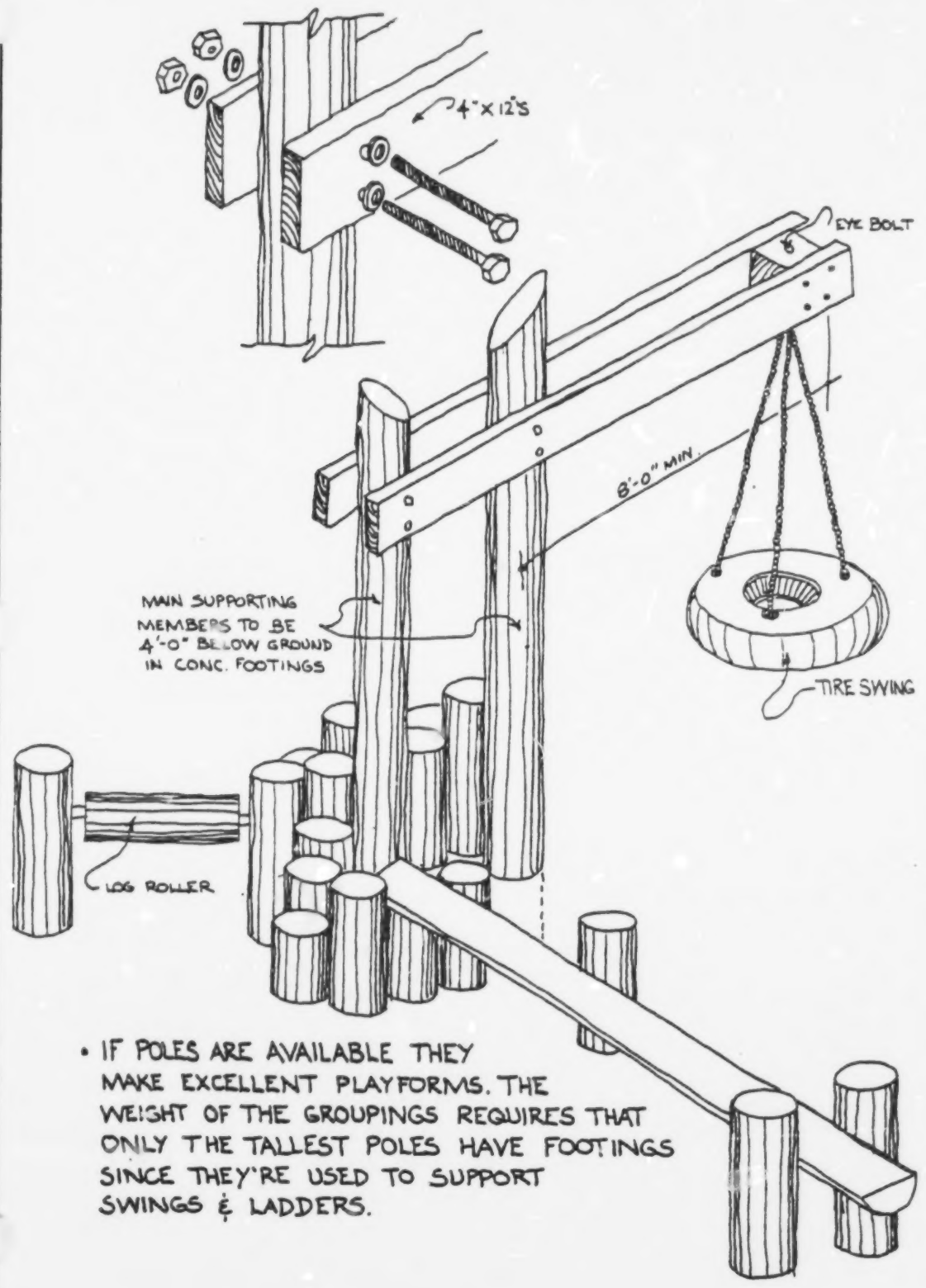
CULTURE, HERITAGE AND RECREATION Manitoba	CREATIVE PLAYGROUND POSTS & CHAIN (ROPE)	PLAYGROUNDS 41.1



CULTURE, HERITAGE AND RECREATION	Manitoba	CREATIVE PLAYGROUND DO-IT-YOURSELF CONSTRUCTION SHEETS (POLES & DOWELS SECTION)	PLAYGROUNDS 42.5



CULTURE, HERITAGE AND RECREATION	Manitoba	CREATIVE PLAYGROUND DO-IT-YOURSELF CONSTRUCTION SHEETS (POLES & DOWELS SECTION)	PLAYGROUNDS 42.1



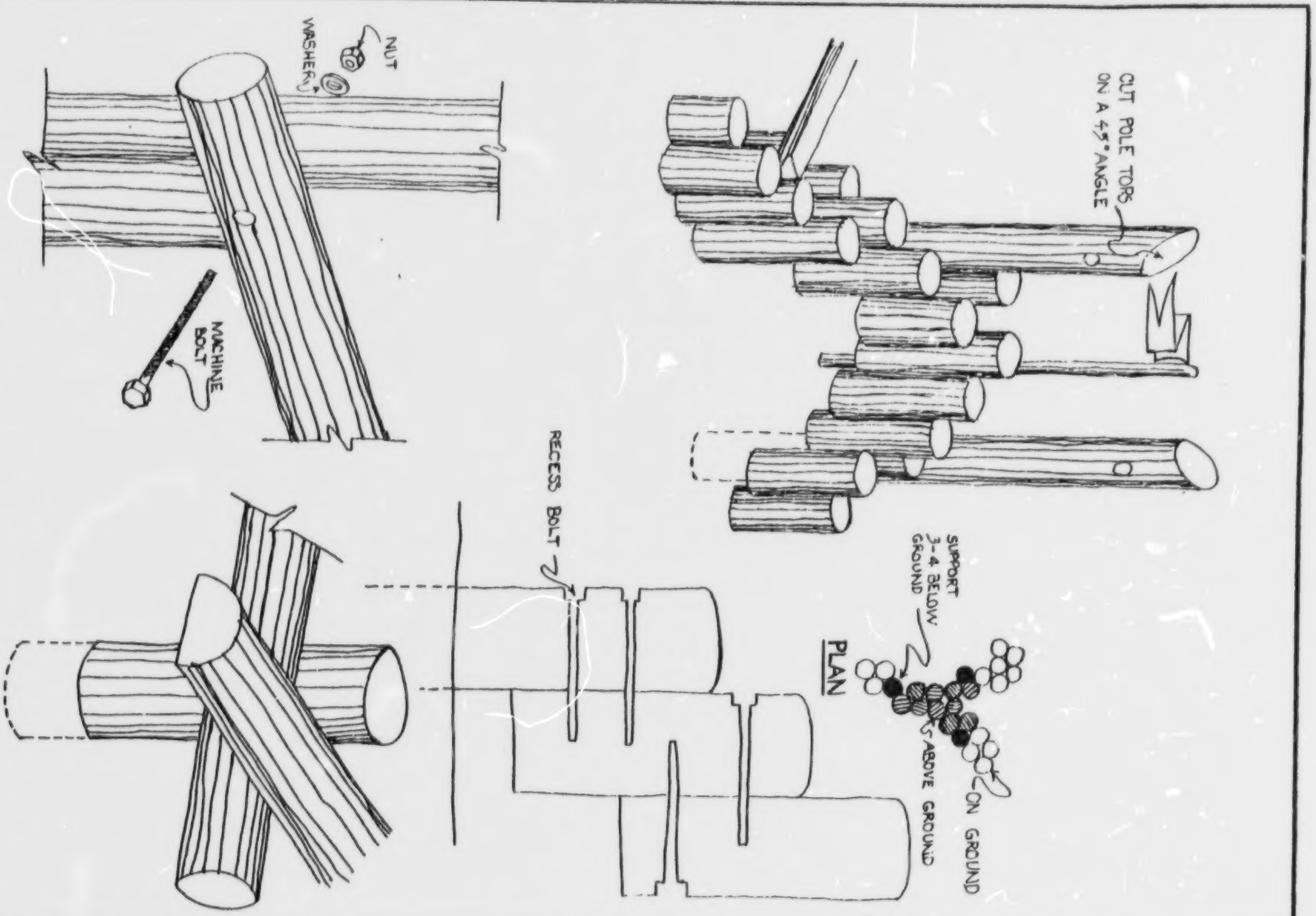
- IF POLES ARE AVAILABLE THEY MAKE EXCELLENT PLAYFORMS. THE WEIGHT OF THE GROUPINGS REQUIRES THAT ONLY THE TALLEST POLES HAVE FOOTINGS SINCE THEY'RE USED TO SUPPORT SWINGS & LADDERS.

CULTURE, HERITAGE AND RECREATION

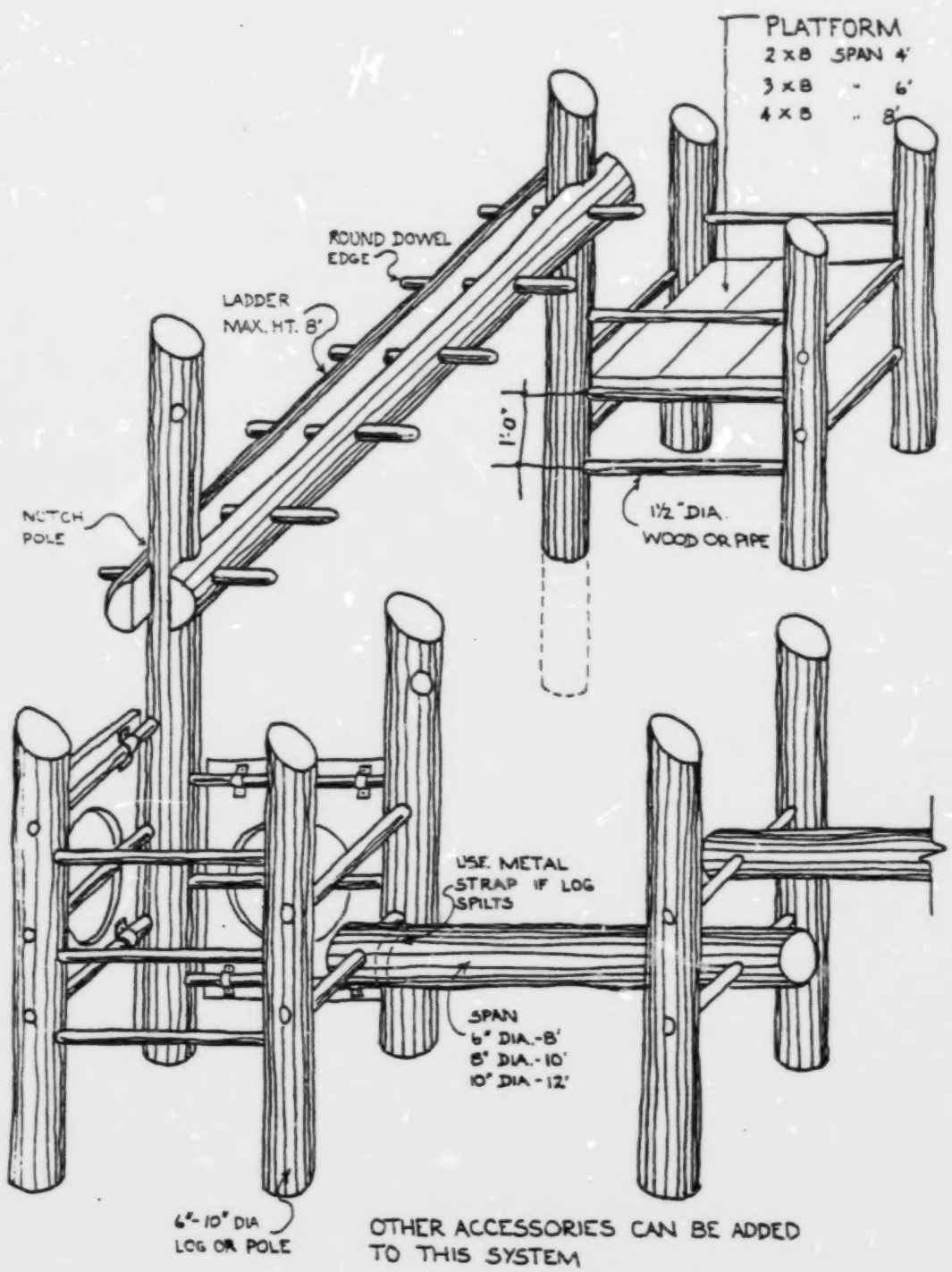
Manitoba

CREATIVE PLAYGROUND
DO-IT-YOURSELF CONSTRUCTION
SHEETS (POLES & DOWELS SECTION)

PLAYGROUNDS
42.2



CULTURE, HERITAGE AND RECREATION	Manitoba	CREATIVE PLAYGROUND DO-IT-YOURSELF CONSTRUCTION SHEETS (POLES & DOWELS SECTION)	PLAYGROUNDS 42.7



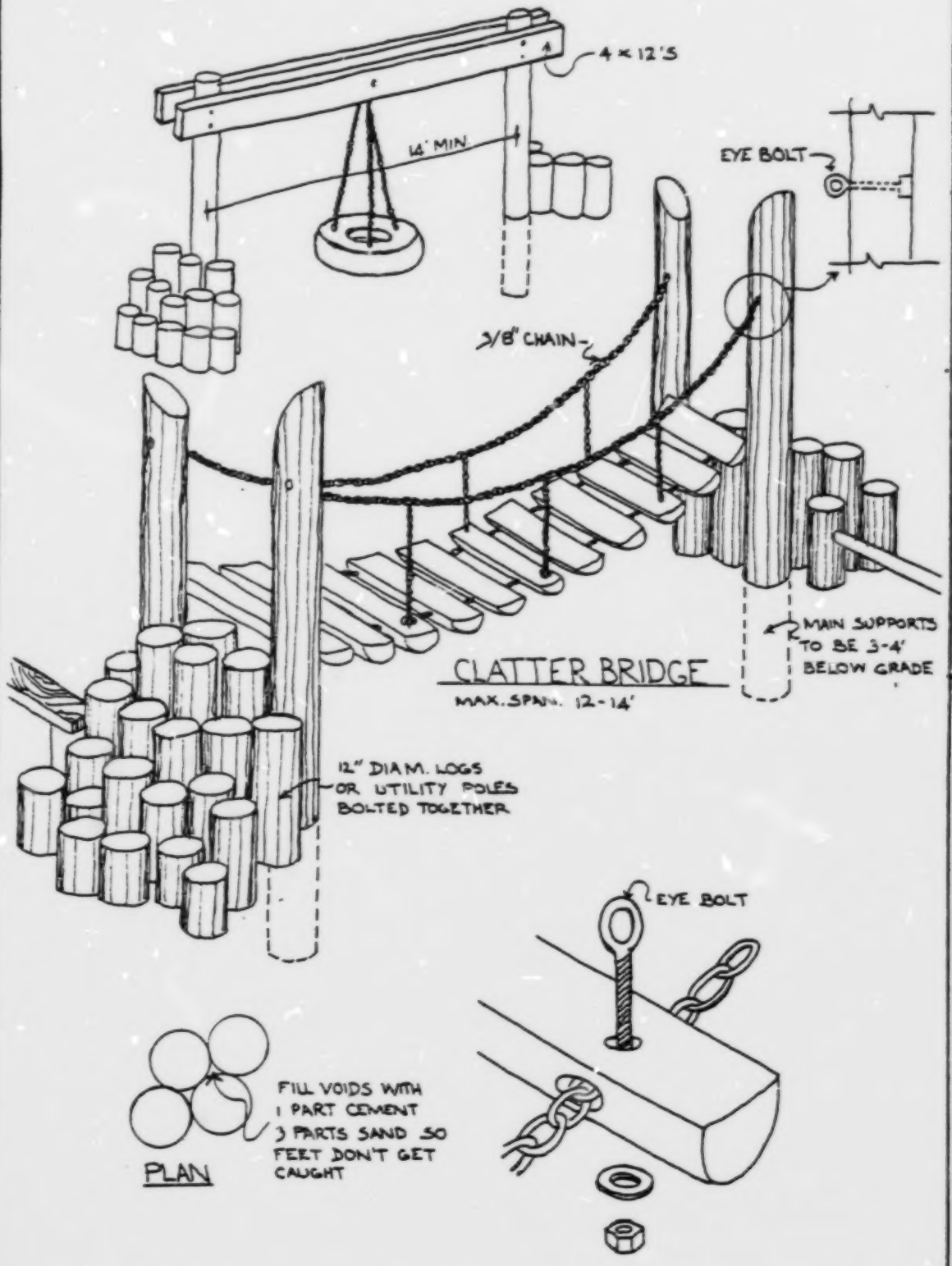
CULTURE, HERITAGE AND RECREATION

Manitoba

CREATIVE PLAYGROUND
DO-IT-YOURSELF CONSTRUCTION
SHEETS (POLES & DOWELS SECTION)

PLAYGROUNDS

42.8

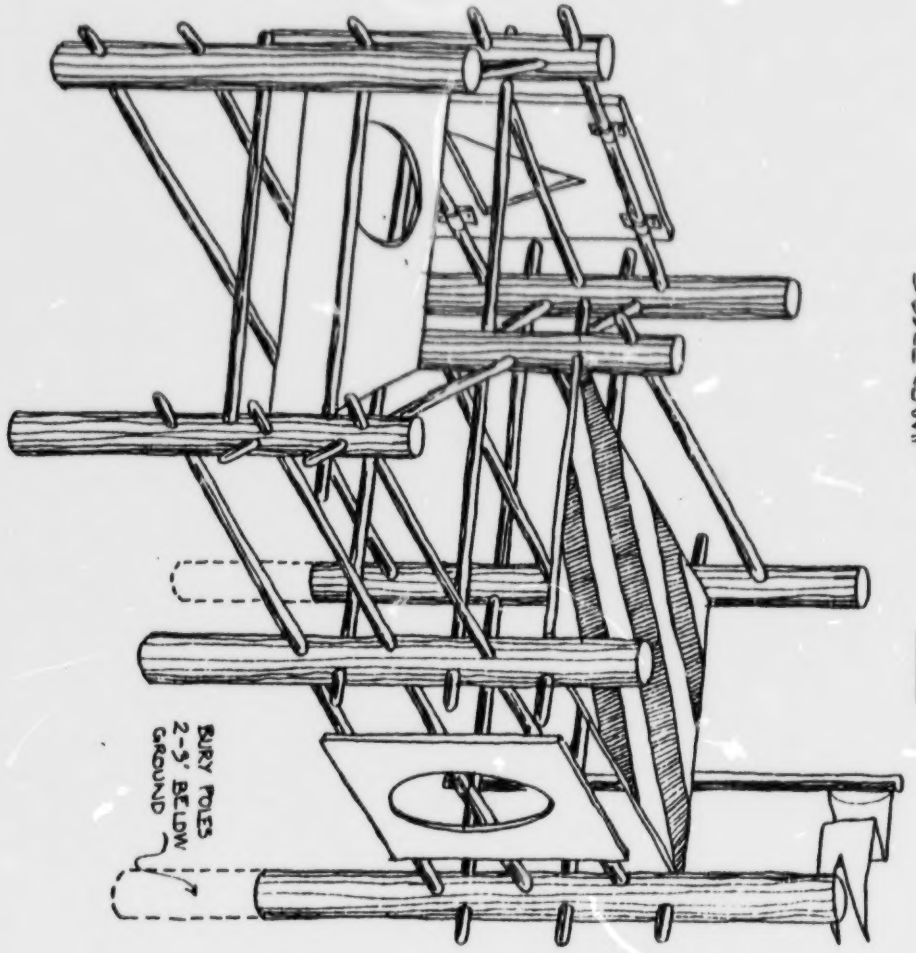

4 × 12'S
14' MIN.
EYE BOLT
3/8" CHAIN
MAIN SUPPORTS TO BE 3-4' BELOW GRADE
CLATTER BRIDGE
MAX. SPAN. 12-14'
12" DIAM. LOGS OR UTILITY POLES BOLTED TOGETHER
EYE BOLT
PLAN
FILL VOIDS WITH 1 PART CEMENT 3 PARTS SAND SO FEET DON'T GET CAUGHT

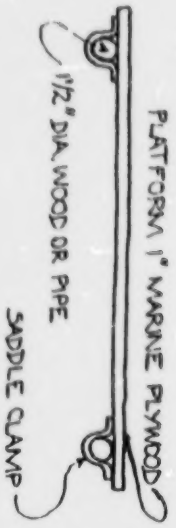
CULTURE, HERITAGE AND RECREATION

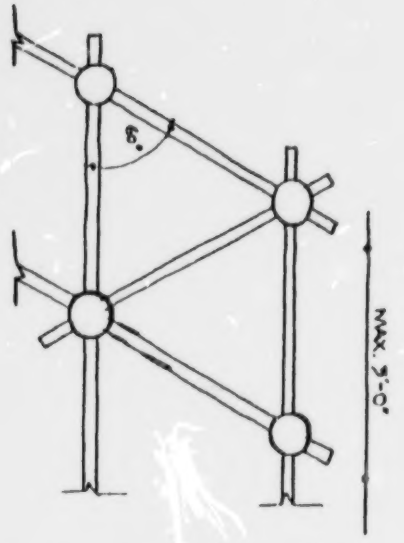
Manitoba

CREATIVE PLAYGROUND
DO-IT-YOURSELF CONSTRUCTION
SHEETS (POLES & DOWELS SECTION)

PLAYGROUNDS
42.9

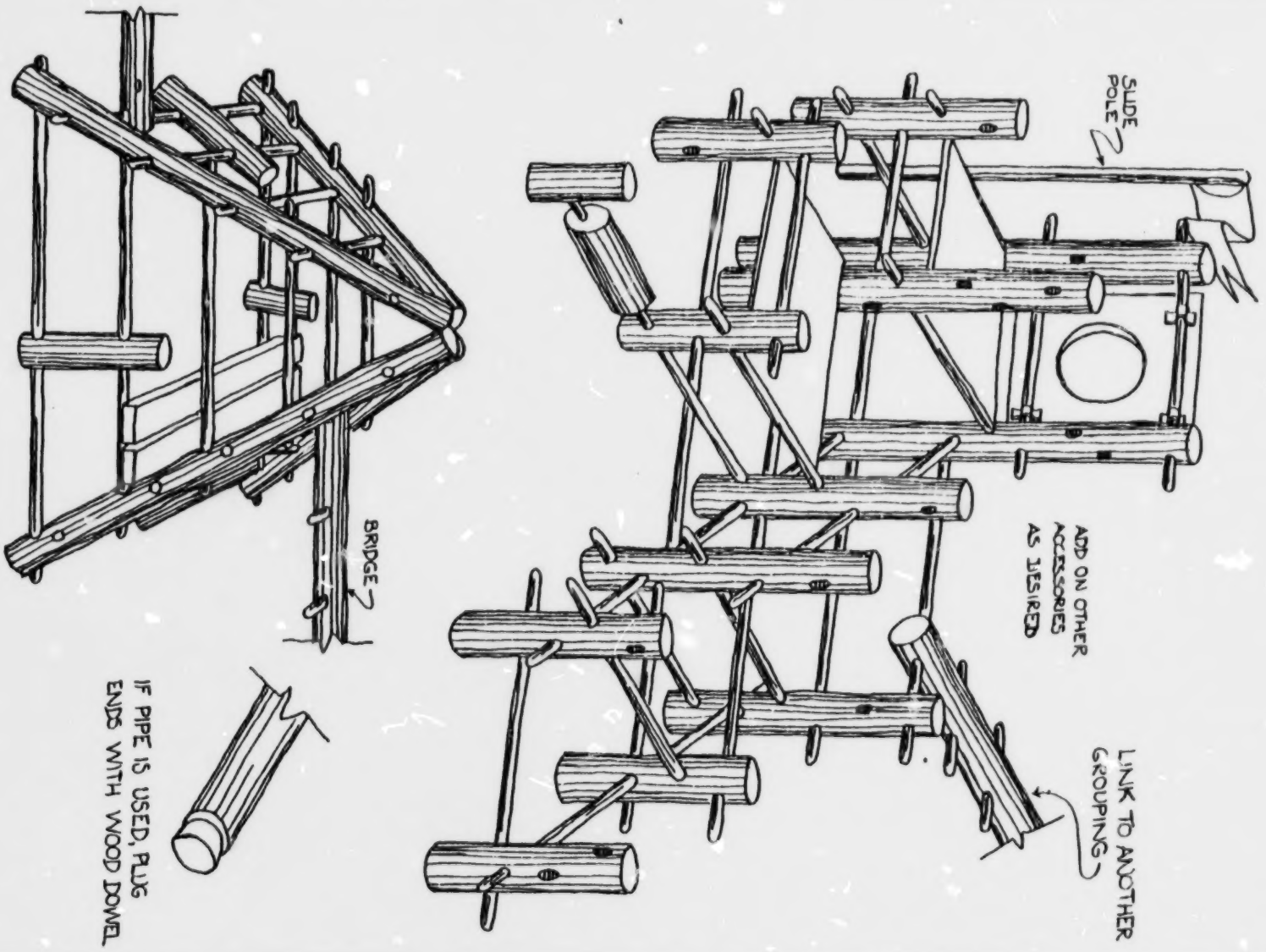




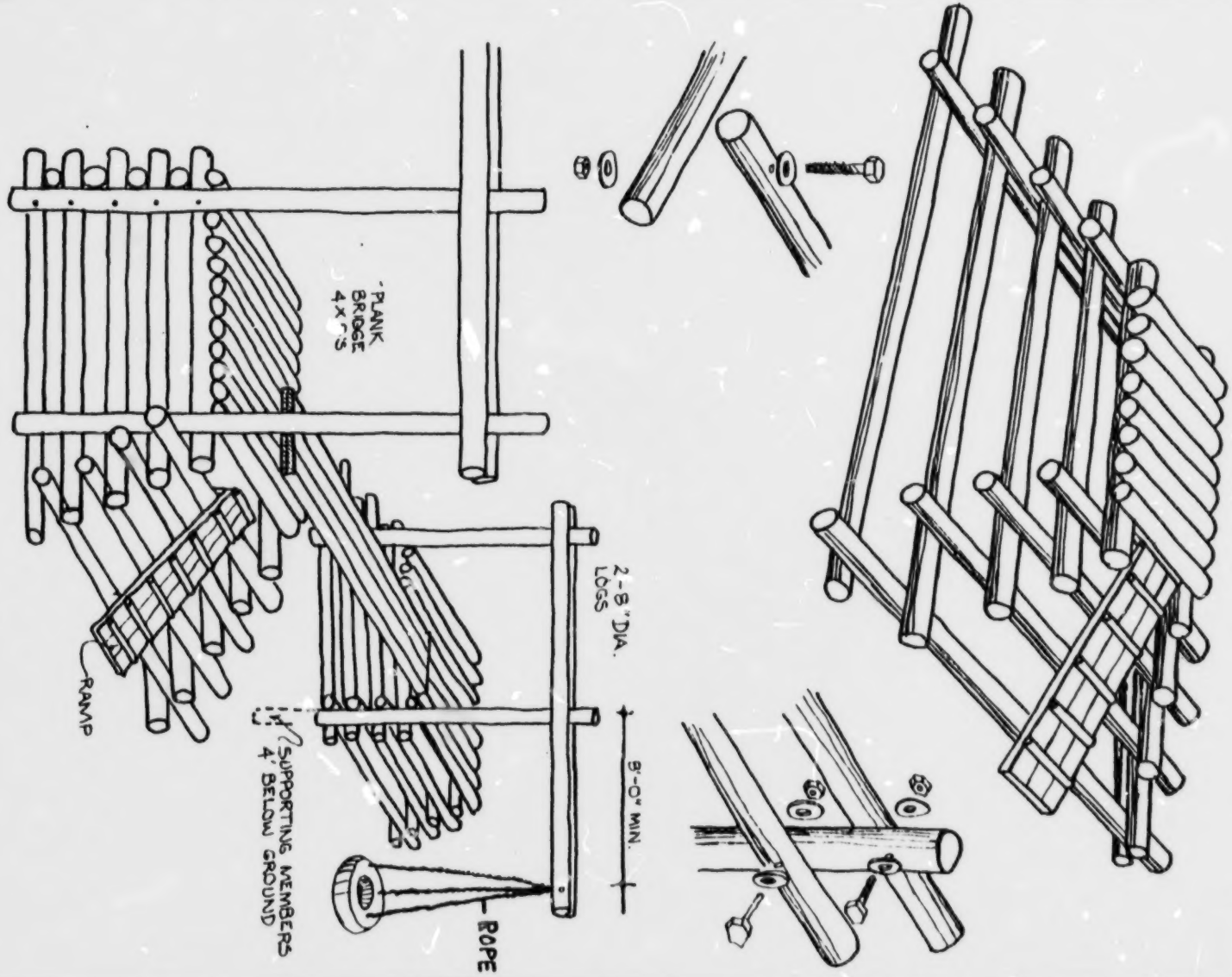


PLAN

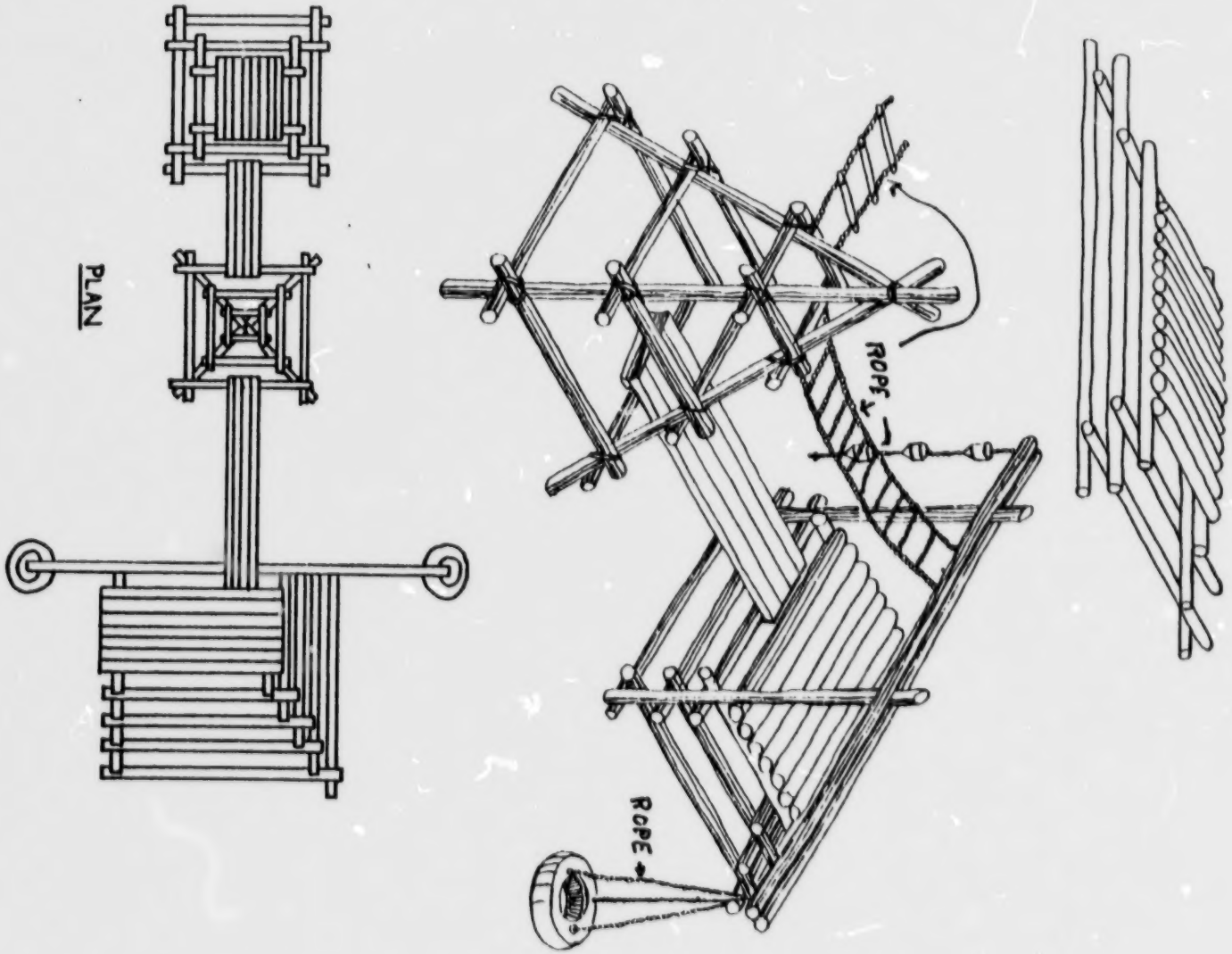
CULTURE, HERITAGE AND RECREATION	Manitoba	CREATIVE PLAYGROUND DO-IT-YOURSELF CONSTRUCTION SHEETS (POLES & DOWELS SECTION)	PLAYGROUNDS 42.6



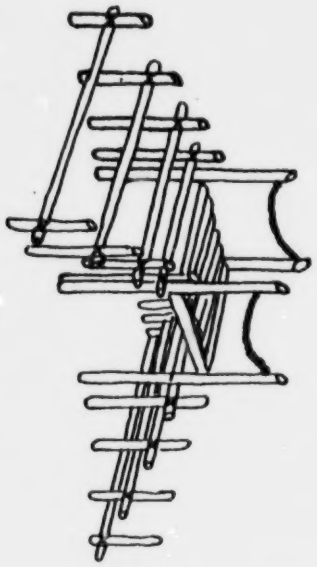
CULTURE, HERITAGE AND RECREATION	Manitoba	CREATIVE PLAYGROUND DO-IT-YOURSELF CONSTRUCTION SHEETS (POLES & DOWELS SECTION)	PLAYGROUNDS 42.4

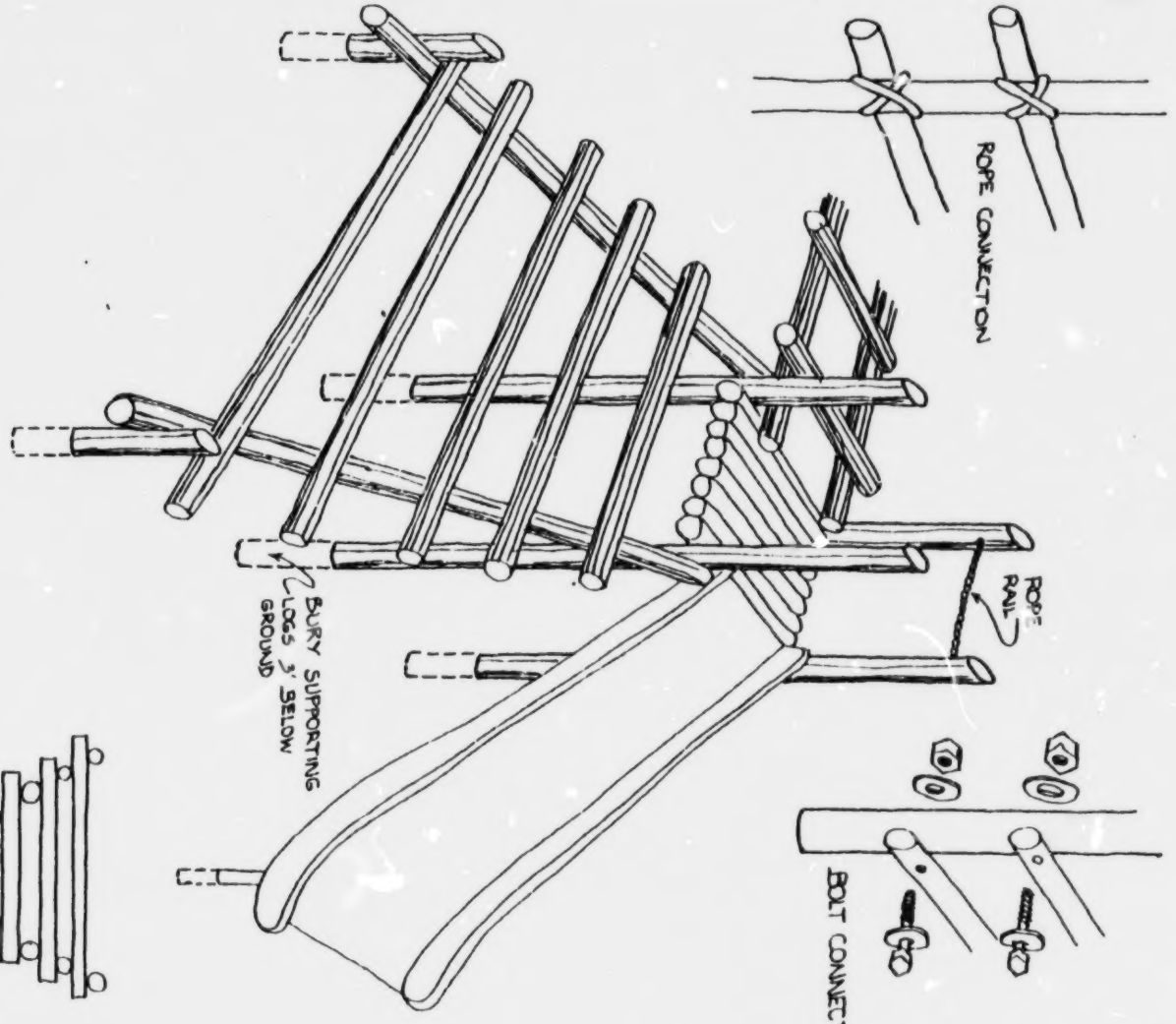


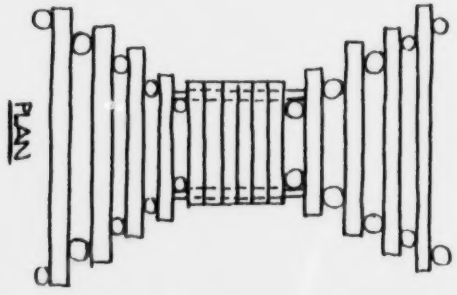
CULTURE, HERITAGE AND RECREATION Manitoba	CREATIVE PLAYGROUND POSTS & CHAIN (ROPE)	PLAYGROUNDS 41.6

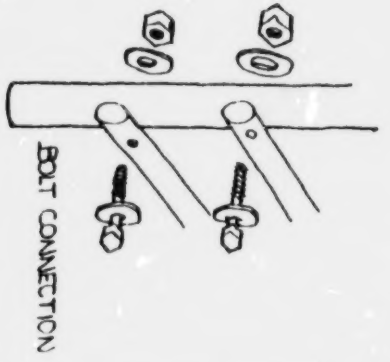


CULTURE, HERITAGE AND RECREATION	Manitoba	CREATIVE PLAYGROUND POSTS & CHAIN (ROPE)	PLAYGROUNDS 41.4

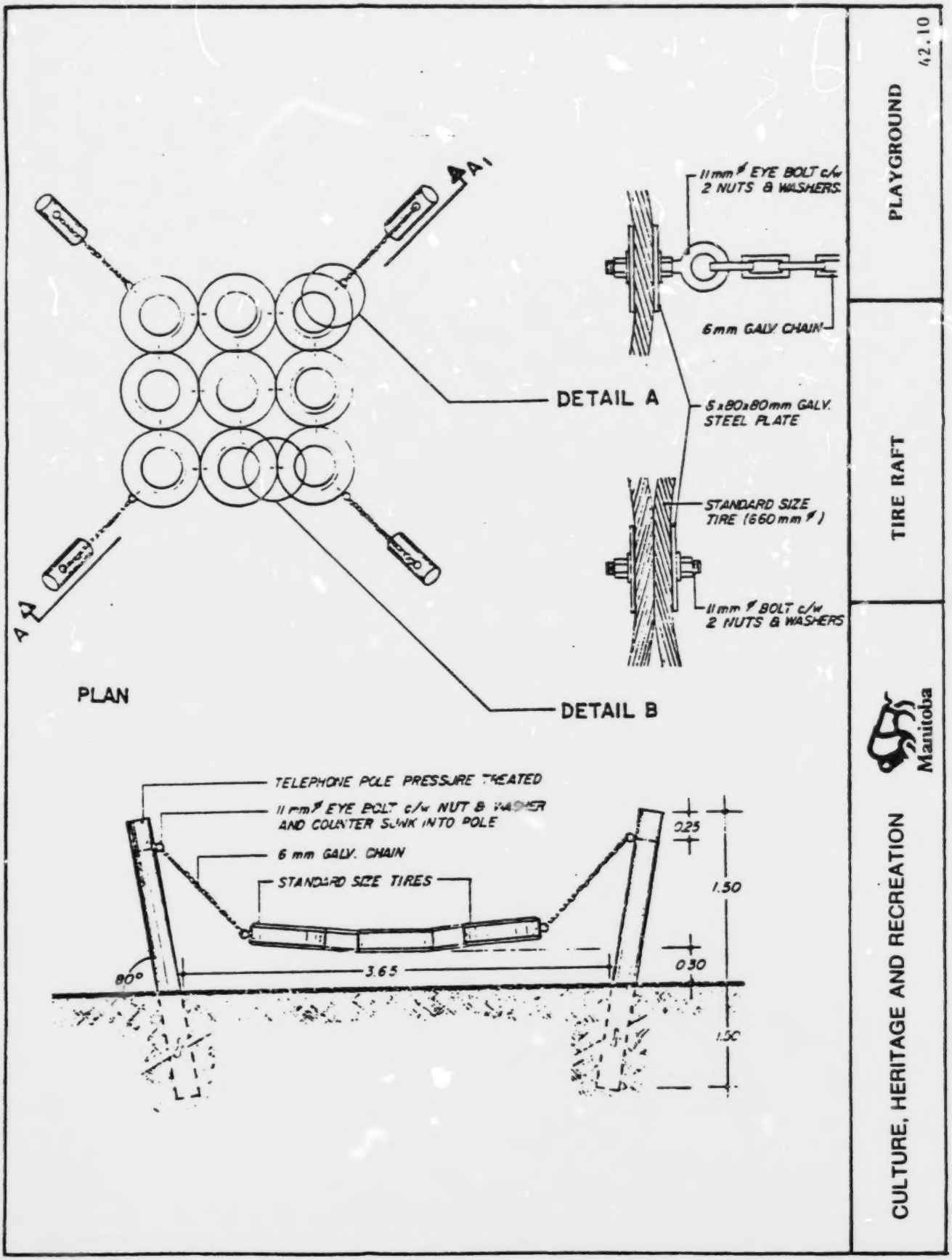








CULTURE, HERITAGE AND RECREATION	Manitoba	CREATIVE PLAYGROUND DO-IT-YOURSELF CONSTRUCTION SHEETS (POLES & DOWELS SECTION)	PLAYGROUNDS 42.3


PLAYGROUND
42.10
TIRE RAFT
CULTURE, HERITAGE AND RECREATION
Manitoba
A1
A2
PLAN
DETAIL A
DETAIL B
11mm ø EYE BOLT c/w 2 NUTS & WASHERS
6mm GALV. CHAIN
5 x 80 x 80mm GALV. STEEL PLATE
STANDARD SIZE TIRE (660mm ø)
11mm ø BOLT c/w 2 NUTS & WASHERS
TELEPHONE POLE PRESSURE TREATED
11mm ø EYE BOLT c/w NUT & WASHER AND COUNTER SUNK INTO POLE
6 mm GALV. CHAIN
STANDARD SIZE TIRES
80°
3.65
0.25
1.50
0.30
1.50

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PLAYGROUND EQUIPMENT MANUFACTURERS/DISTRIBUTORS

MANUFACTURER	DISTRIBUTOR	REPRESENTATIVE	TELEPHONE	ADDRESS
Big Toys	Sudden Fun	John Kuby	435-5209	10431 - 18 Ave. Edmonton, Alta. T6J 5J3
		Roy or Marsha Alsip	253-1300	5614 East Burbank Road Calgary, Alta. T2H 1Z4
CDC Recreation Facility Developments	CDC Recreation Facility Developments	Glen Freeborn or Gary Debney	273-1555	103B-31 Manning Crescent N.E. Calgary, Alta. T2E 7M9
Children's Playgrounds Inc.	Children's Playgrounds Inc.	Horst Henke (President)	416-475-7648 Telex: 06-98 3639	P.O. Box 370 Unionville, Ont. L3R 2Z7
Childspace	Childspace	Peter Adams	556-3945 (Call collect)	Box 2459 Olds, Alberta TOM 1P0
Finnskoga Play Systems Inc.	Bonavista Landscapes (1982) Ltd.	Greg Dahl	278-6400	807 Acadia Dr.S.E. Calgary, Alta. T2J 0C7
Game Time of Canada	Tomko Enterprises Ltd.	Ian McDonald	604-327-0257	Unit 304 8495 Ontario St. Vancouver, B.C. V5X 3E8
Henderson Play Makers	Sudden Fun	John Kuby	435-5209	10431 - 18 Ave. Edmonton, Alta. T6J 5J3
		Roy or Marsha Alsip	253-1300	5614 East Burbank Road Calgary, Alta. T2H 1Z4

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Hilan Creative Playstructures	Centaur Products Ltd.	Al Patey	433-4858	Edmonton
		Don Holloway	248-2662 Toll Free: 1-800-372-9202	Bay #7 727 - 33 St. N.E. Calgary, Alta. T2A 6M6
Kompan Playscapes Ltd.	Kompan Playscapes Ltd.	Helena Adamowicz	604-263-2393	Station L P.O. Box 58022 Vancouver, B.C. V6P 6C5
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Paris Playground Equipment Ltd.	Allwest Institutional Furnishings Ltd.	Gary Metcals	452-8212	14325 - 112 Ave. Edmonton, Alta. T5M 2V3
Paris Playground Equipment Ltd.	Paris Playground Western Ltd.	Bev Thompson	1-800-265-9935 (Leave messages)	Bowden, Alta.
Quadro Construction Systems	Children's Playgrounds Inc.	Horst Henke (President)	416-475-7648 Telex: 06-98 3639	P.O. Box 370 Unionville, Ont. L3R 2Z7
Ressco Playstar Recreation Products	Ressco Playstar Recreation Products	Ray Campbell	416-272-0063	2364 Haines Rd. Mississauga, Ont. L4Y 1Y6
S.F. Scott Mfg. Co. Ltd.	Blue IMP Playground Equipment Co. of Canada	Doug Muir	526-4170 1-800-661-1462	766 - 14 St. S.W. P.O. Box 567 Medicine Hat, Alta. T1A 7C5
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